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# VO-AG AIDS

Volume 21, Number 1  
August 1962

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Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education





# VO-AG SERVICE

## Announcements & Notes

### SPECIAL NOTICE

With each copy of this issue of the AIDS (other than copies being sent to vocational agriculture instructors in Illinois) is a card to fill out and return if you wish your name kept on our mailing list for the 1962-63 school year. Cards should reach our office by August 20 if you wish to be certain of receiving all copies during the remainder of the school year.

Cards are not being included with the AIDS sent to teachers of vocational agriculture in Illinois. Usually, information from our joint-staff meetings enables us to keep that list up to date without it being necessary for those teachers to contact our office in that regard. However, if our list is incorrect at any time, we would appreciate being notified.

Judging Contest Results. Boys from 212 schools participated in the 1962 state judging contests on June 21. The winners were Taylorville in Livestock, Serena in Dairy, and Sycamore in Poultry. These three teams will represent Illinois in the national contests this fall at Waterloo, Iowa and Kansas City, Missouri.

WHW

Farm Bureau-Farm Management Annual Summary. This report is to become available this year in the form of an extension circular. Results from northern and southern Illinois will be included under the same cover. When the circular becomes available, an announcement will be carried in the AIDS. Agricultural Release subscribers will receive a copy the same as they do when any circulars become available.

JHH

Judging Contest Scores and Ribbons. The judging ribbons were sent June 25 to all schools that participated in the contests on June 21. If you participated and have not received your ribbons or have any questions, please let us know.

WHW

AIDS, August 1962



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Sound Motion Picture on "How To Collect Insects." We have received the following information from Dr. M. W. Sanderson, Natural History Survey, regarding a 16mm colored sound motion picture entitled "How To Collect Insects." This film is intended as a guide to amateur collectors of insects. It shows the steps to be followed and the equipment needed for collecting and classifying insects for a beginners collection. The main emphasis in the film is placed on methods of collecting, preserving, and mounting specimens and is slanted toward students at the high school level. Running time is about 12 minutes.

No charge is made for the use of this film but all users will be required to pay all transportation charges and return the film promptly after use. It should be insured for \$100 while in transit.

Reservations should be made well in advance, and one or more alternate dates should be given in case the film is scheduled for use elsewhere on the "first choice" date.

Address all correspondence relating to the film to James S. Ayars, Technical Editor, Illinois Natural History Survey, 189 Resources Building, Urbana, Illinois.

RLC

Dairy Holders' Contest. The following boys participated in the dairy holders' contest on June 22:

- |                |             |
|----------------|-------------|
| Jim Burnham    | Macomb      |
| Keith Cromer   | Macomb      |
| Jim McCoy      | Tiskilwa    |
| Rick Bristow   | McLean      |
| Bruce Cluver   | Cissna Park |
| Ken Bartel     | Crete       |
| Lyle Tzberendt | Carlyle     |
| Melvin Yardley | Carlyle     |
| Keith McCall   | Lanark      |
| Howard Tanner  | Newton      |
| Neal Hauser    | Kaneland    |
| Les Spriet     | St. Charles |

Jim McCoy of Tiskilwa won first, Rick Bristow of McLean, second, and Bruce Cluver of Cissna Park, third.

WHW

Meat and Milk Judging Contest. Saturday, September 22 is the date for the state meat and milk judging contest. To help us determine the amount of milk samples to prepare, we will include a card in the September AIDS for you to return if you are planning on attending. This is not a preregistration but a means of determining the number that will be here. Please return the card promptly, if you plan to attend

WHW

AIDS, August 1962



Extramural Courses. We have received the following information from Dean Gardner:

"The departments of the College of Agriculture at the University of Illinois have again listed those courses which will be available for the first semester 1962-63:

| <u>Place</u>                                 | <u>Course</u>  | <u>First Meeting</u>           | <u>Instructor</u>  |
|--|--|--------------------------------|--------------------|
| Marion<br>(high school)                      | Agr. Eng. E331 - Function,<br>Application, Adjustment, and<br>Management of Farm Machinery | Sat., Sept. 15<br>8:30 a. m.   | Butler &<br>Bowers |
| Decatur*<br>(Stephen-Decatur<br>high school) | Agr. Econ. E305 - Agricultural<br>Policies and Programs                                    | Thurs., Sept. 20<br>7:30 p. m. | Thompson           |
| Paris<br>(high school)                       | Agr. Econ. E332 - Livestock<br>Marketing   | Tues., Sept. 18<br>6:30 p. m.  | Broadbent          |
| Effingham<br>(high school)                   | Agron. E306 - Fertilizers<br>and Their Soil Reactions                                      | Wed., Sept. 19<br>6:30 p. m.   | Melsted            |
| Henry<br>(high school)                       | Plant Pathology E377 -<br>Diseases of Field Crops  | Fri., Sept. 14<br>7: p. m.     | Hooker             |

\*If insufficient enrollment, Olney has second choice.

The most suitable day and hour for the class can be settled at the first meeting indicated above. A total enrollment of 15 is necessary in order to continue the course.

Questions concerning the course should be directed to Associate Dean Karl E. Gardner, College of Agriculture, University of Illinois, Urbana.

KEG/JWM

Food In Our Society filmstrip. This double-frame filmstrip, script, and accompanying tables were exhibited at the June Conference. The number of teachers ordering totaled 102 and copies have been mailed. We have 8 remaining copies which will be sent on a first-come, first served basis. The price is \$1.50, f. o. b. Urbana.

JHH

Illinois Farm Record Problem and Key. The latest issue of the problem is for the year 1960. As far as we know now, the problem and key will be satisfactory for use during the coming year. However, in line with our policy of keeping materials up to date, we are working on a new problem to become available this fall. That problem will be for the calendar year 1962 and would presumably be used until the fall of 1964. When the new problem becomes available, it will be announced in the AIDS and a copy included with the Agricultural Releases. Copies of the 1960 problem and key can be ordered up to the time that the 1962 problems become available.

JHH

AIDS, August 1962



FFA Roadside Signs - Reconditioned. The following chapters have FFA signs to be picked up from our building on Florida Avenue:

|             |                    |
|-------------|--------------------|
| Barry       | Nauvoo             |
| Griggsville | Virginia           |
| Harvard     | Albion - one board |

Please be sure to return the old signs before picking up the reconditioned set. We can make arrangements for sending sets by United Parcel Service if the school wishes to pay the shipping costs and if arrangements are made for returning the sets they now have before asking us to ship the reconditioned ones.

JWM

Agricultural Releases, Advanced Orders for Units and Slidefilms. Stapled with this issue of the AIDS is a blank for those who have not yet placed their order for Agricultural Releases new units and slidefilms and who wish to do so. You will note that the maximum price for Agricultural Releases has been increased to \$15.00 f.o.b. Urbana. Please note also that your order must reach us by October 1.

The titles of the new units, which will be released early this fall, are as follows

| <u>Unit No.</u> | <u>Title</u>  | <u>No. Pages</u> |
|-----------------|---|------------------|
| 1032            | Castrating, Docking, and Dehorning                                      | 8                |
| 1033            | Selecting and Purchasing Hogs   | 8                |
| 1034            | Caring for the Swine Herd During Breeding and Gestation                 | 4                |
| 2001a           | Planning the Farm Business for Profit                                   | 4                |
| 2031            | Integration in the Livestock Industry                                   | 8                |
| 2032            | How prices of Meat Animals are Established                              | 12               |
| 2033            | Using Farm Real Estate Loans  | 8                |
| 2034            | Credit Instruments  | 12               |
| 3013            | Handling and Using Gasoline and L. P. Gas Safely                        | 8                |
| 3014            | Small Engines -- Principles of Operation, Trouble Shooting, and Tune-Up | 16               |
| 3015            | Spray Painting  |                  |
| 4002a           | PH Test for Soil Acidity  | 8                |
| 4003a           | P <sub>1</sub> and P <sub>2</sub> Soil Tests for Phosphorus             | 8                |
| 4006a           | Soil Liming -- A Key to Better Farming                                  | 8                |
| 4044            | Storing and Drying Corn   | 8                |

JWM

New Telephone System. Since June, the University of Illinois has had a new telephone system on which outside calls come directly to us without going through the University operator. In other words, you can now call Vocational Agriculture Service direct, by dialing number 333-3870. For those who are in areas that will need the area code number, that is 217.

JWM

AIDS, August 1962





Farm and Home Science Show. The Farm and Home Science Show will be held at the College of Agriculture on September 7 and 8, 1962. Included with this issue of the AIDS sent to Illinois teachers is a sheet for posting on your bulletin board. Additional material including a program of this event will reach you soon, by direct mailing.

JWM

Check Sheet for Cards Listing Vocational Agriculture Service Items. Stapled on the outside cover of the August AIDS sent to vocational agriculture teachers in Illinois is a check sheet which can be used to bring your set of listing cards up to date. Check sheets will be sent individually to others who, according to our records, have sets of cards. The check sheet gives information for its use in bringing the sets of listing cards up to date.

JWM

Used Shearing Equipment. The sheep shearing outfits, used this year in the shearing contest at the State Fair, may be purchased after the contest for \$35.00 each. These regularly sell for \$63.25 and will have been used only in the contest. There will also be extra cutters, combs, and screwdrivers for sale at 75 cents, \$1.77, and 64 cents, respectively.

If you are interested in buying any of this equipment, contact Messrs. Richard O. Lyon, Harry Russell, or Dick Carlyle at the Fair. If you will not be at the Fair, call or write Professor Harry Russell, Animal Science Extension, 326 Mumford Hall, Urbana, Illinois, Telephone number 333-0013 or Professor Richard O. Lyon, Junior Department, Illinois State Fair, Springfield, Illinois.

WHW

Your Rural Road Challenge. Through the courtesy of Mr. O. L. Hogsett, Farm Safety Specialist, College of Agriculture, we have received a set of 36 slides and a script entitled "Your Rural Road Challenge." This material is available on loan from our office on request, or may be purchased from the Farm Division, National Safety Council, 425 N. Michigan Avenue, Chicago 11, Illinois, for \$7.00.

JWM



Boxes of Electrical Wiring Supplies. The following questions and answers may be of help to those interested in using the boxes of electrical wiring supplies during the school year 1962-63

How long may a box of wiring supplies be kept?

The person requesting the box, sets the time he wishes to keep the material. We ask only that:

- a. The length of time be reasonable.
- b. Enough time be allowed to make an extension unnecessary. (We schedule boxes for the time requested and sometimes may not be in a position to grant extensions without interfering with the schedule of another school.)

What is the cost of using the materials?

Costs of using the wiring supplies includes the following:

- a. Charge for the items broken, damaged, or lost between the time the box arrives at your school and the time it arrives at our building on Florida Avenue.
- b. Express charges from and to our building on Florida Avenue. (If preferred, the box can be picked up and delivered to eliminate shipping charges.)
- c. A charge of \$1.50 per hour for the time required to check, recondition, and repack the box.
- d. An additional charge of \$5.00 per box, regardless of time used. (This is necessary if we are to continue this program. We now have an investment of more than \$11,000 in the boxes. No charge has been made to users for that initial cost. From time to time we find it necessary to add new items and remove those that have been discontinued. The \$5.00 charge is to help handle some of the expenses relating to such changes.)

Under what conditions are boxes of supplies loaned?

Boxes are loaned only to Illinois teachers of vocational agriculture and on the basis of signed loan agreements. In the loan agreement the teacher agrees to:

- a. Return the box when due (on the basis of the date he sets).
- b. Return the material by prepaid express unless he returns it himself.
- c. Pay for the time required to check, recondition, and repack the box at \$1.50 per hour
- d. Pay the flat charge of \$5.00 per box.
- e. Pay for any items broken, lost or damaged.

Can two or more schools use the same box of supplies during a given period of time and thus save checking, packing, and other expenses?

- a. Schools can save by two or more using the same box, and Vocational Agriculture Service has no objection to that being done. We will, however, have no part in prorating the charge between two or more schools. We will schedule the box on the basis of a loan agreement signed by one school and for as long as an entire semester or school year if necessary. In that time several schools can use the materials with one set of shipping charges, one set of packing charges, and one flat rate charge of \$5.00, but we will bill the one school signing the loan agreement for the entire charge against the box. The individual schools must do their own prorating of charges.

How can I remove questions regarding the checking of items in the box when returned?

- a. By requesting that broken or damaged items be returned. This may be advisable even though you are not interested in checking on charges, as some of the items for which you are charged may be quite usable.
- b. By arranging in advance to be present when the box is rechecked. After the boxes are rechecked, we have no way of correcting discrepancies that you think may exist.

JWM



## POLICIES AND PROCEDURES

Open (charge) Accounts with Vocational Agriculture Service. For 1962-63, we have automatically set up an open (charge) account for each and every school in Illinois having an approved vocational agriculture department. The following applies to such accounts:

1. Charges of less than \$5.00 will be accumulated on our records until the total is \$10.00 or more.
2. On charges of \$5.00 or more a statement will be sent when shipment is made.
3. After the total reaches \$10.00 or more, or at the approximate end of the school year (depending on which occurs first) a statement will be sent covering accumulated charges on the open account.
4. We will render statements for charges of less than \$5.00 only
  - a. if we are specifically requested to do so  
and
  - b. if at the time such request is made, we are assured that the statement will be paid within 30 days.

Adding Items to or Deleting Them from Statements. Whenever you wish to have an item added to or deducted from one of our statements, or any other change made, please return the original (white) copy of the statement with your request so that it as well as our file copies can be corrected.

We try to fill orders on the day they are received, or at least not later than the following day. If you order items one day and send another order the following day and ask that it be put on the same statement, it may be impossible because the first order may already have been shipped and the statement forwarded.

Participation of Agricultural Staff Members in Off-Campus Meetings. So far as we know, there have been no recent changes in policy regarding help from the College of Agriculture for evening-school meetings. Since beginning teachers may not be familiar with the policy, however, we are repeating certain parts of it.

1. In order to avoid conflicts and duplication within the county, vocational agriculture teachers should confer with farm advisers before making requests for services of staff members. Teachers may then send their requests either to Vocational Agriculture Service, 434 Mumford Hall (Telephone number 333-3870) or direct to the individual or department concerned.



## Policies and Procedures (continued)

2. Before accepting a request that comes direct to a staff member or a department, the staff member or department should check with Vocational Agriculture Service to determine whether any other member has been secured for the series of meetings.
3. Normally only one speaker will attend any one series of vocational agriculture meetings.
4. As a general policy, no charge will be made for travel unless the meeting requires a special trip that would, in the judgment of the head of the department, justify such a charge, or unless the meeting is part of a program where funds are available for paying such travel.

Although it is not required that you make your requests through your farm adviser, we believe you will find that procedure advisable. By so doing, you may increase your possibilities for getting help from the college, and you may find it possible to secure more than one person for a given series of meetings. Furthermore, it is not likely that you will have to pay travel expenses for help secured from the college through the farm adviser.

You also have the privilege of sending your requests for help direct to Vocational Agriculture Service, to the person you wish to secure, or to the department from which you wish help.

Vocational Agriculture Service is willing to have you send your requests direct to us. It has not been unusual for us to make several phone calls and sometimes several personal calls in attempting to get the help you request. We are glad to be of help, but we feel that there have been times when teachers might have been more certain of getting the person or the help they needed if they had sent their requests direct to the individual. It sometimes happens that a staff member does not have the requested date or dates open, but he may be in the area on some other date near that time and we may not know whether that would fit into your schedule. While we try to follow up on such possibilities, I am sure you can see the advantages of dealing directly with the individual.

The two suggestions mentioned above, (1) having your farm adviser request the help for you and (2) contacting the individual directly if you do not wish to secure him through your farm adviser, are offered in an attempt to assist you in getting the help you need.





Prices on Vocational Agriculture Items. In general, Vocational Agriculture Service bases its prices on duplicating and distributing costs and does not attempt to recover salaries and similar costs that go into production of the item. In fairness to all, we have adopted a policy of pricing items f. o. b. Urbana, unless otherwise indicated. This certainly should not handicap those who have an open account with us. Those who do not have an open account and whose orders total less than \$5.00 should include postage cost with payment. Any excess amount allowed for postage will be returned.

JWM

Plan for Grouping Charge Orders from Different Divisions of the College of Agriculture Vocational Agriculture teachers can continue to order through Vocational Agriculture Service any charge items distributed by cooperating divisions of the College and have all items charged on a single statement. In general, items will be sent to you by the division that ordinarily distributes them, but the division will charge Vocational Agriculture Service and not your school. We will then bill you on one of our statements. That will make it unnecessary for you to try to remember various policies with respect to payment.

JWM

Payment of Postage on Publications. As we have announced at various times in the past, schools ordering bulletins or circulars from the College of Agriculture will be expected to pay transportation costs unless the order is small enough to permit franking the publications. If the order weighs four pounds or less, the shipment can be sent by franked mail. Shipments weighing more than that amount will be sent by express collect unless Parcel Post or United Parcel service charges are cheaper. Shipping charges advanced by Vocational Agriculture Service will be charged against the open account of schools ordering.

JWM

Request for Bulletins and Circulars from the College of Agriculture The following may give you information regarding the policy relating to distribution of bulletins and circulars from the College of Agriculture to those in vocational agriculture.

- 1 You may send requests to VOCATIONAL AGRICULTURE SERVICE for library copies of all Illinois bulletins and circulars needed in your vocational agriculture program. In general, copies distributed through our office are expected to be kept as a part of the agriculture library, although we realize that occasionally you will find it advisable to give a copy of the publication(s) to someone who has a particular need for it.



2. You may wish to advise those desiring copies of certain Illinois bulletins and circulars for their personal files to attempt to secure those through their local farm adviser. Where it seems advisable, you may wish to make arrangements with your farm adviser for obtaining copies of publications needed for the personal files of those individuals whom you are attempting to serve.
3. Order copies of publications for classroom use only if you are sure you can use them to advantage. If in doubt, get a single copy first and examine it carefully to see if it is suited to your purpose.
4. Order the minimum number of copies of publications that will enable you to conduct your work efficiently and effectively. Even if you have 45 students enrolled, you probably will not need 45 copies of a publication especially if the students meet at different times or can otherwise arrange to use the same copies.
5. Unless publications requested are in reserve or out of print, your order will usually be filled according to your request if it conforms with the ratings given the publications by the committee of the I. A. V. A. T.
6. The committee rating will be overlooked on publications not rated "s" (suitable for class use) if you present sufficient evidence that you are thoroughly familiar with the publication, as well as evidence that the extra copies can and will be used to good advantage in the classroom.
7. Ordering quantities of numerous publications ranked other than "s" by the I. A. V. A. T. committee may indicate a lack of information on your part. Consequently, before ordering quantities of any given publication, make sure that they can be used to good advantage.

JWM



The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

EDUCATORS GUIDE TO FREE FILMS. 1962. \$9.00. Educators Progress Service, Randolph, Wisconsin.

According to the information that accompanied this issue of the guide:

"This TWENTY-SECOND ANNUAL EDITION lists 4,386 titles of films, 954 of which were not listed in the previous edition.

"During twenty-two years, the GUIDE has grown -- from a listing of 671 titles, to this volume of 4,386 titles. Perhaps of equal significance, the improvement in the quality of free films has paralleled the increase in the number offered. This Guide provides rich supplementary visual materials at a minimum cost."

FIELD PLOT TECHNIQUE. 1962. LeClerc-Leonard-Clark. \$7.75. Burgess Publishing Company, 426 South Sixth Street, Minneapolis 15, Minnesota.

According to the preface:

"The widespread reception accorded the first edition of this book has stimulated the authors to prepare a second edition, in which at least some of the shortcomings of the first edition might be remedied. . . Thus, the book is an attempt to bring together and explain, as simply as possible, the general principles, techniques, assumptions, and guides to procedures applicable to experimentation in agriculture and biology. . . simplified procedures for computations are included for various types of the more widely applicable experimental designs. It is hoped that the researcher will be able to use these statistical techniques intelligently. He should consult a statistician on special problems or when complications arise."





# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

## From the Office of the President

### George's Gleanings

I am proud to serve as your I. A. V. A. T. President for 1962-63 and will strive to fulfill the duties of the office the very best I know how and with your help, I'm sure the I. A. V. A. T. will have another banner year.

If at any time, your association is not functioning in your behalf, feel free to bring your problem to the attention of the Executive Committee.

Sincerely,

George O. Irvine

### Think It Over -- You Owe Something to Your Profession.

Abraham Lincoln once said, "Every man owes something to his profession." This holds true today as well as when this patriot uttered these words.

Teachers would do well to emulate the medics and lawyers in the way in which they support their professional groups. Owing to one's profession implies more than just financial support. It means supporting the officers and policies of the organization and the advancement of the program.

It means going to meetings when you would rather stay home; and the giving freely of your time and ideas. It means being optimistic and holding faith in the future of the profession.

It means asking yourself, "What can I do?" rather than, "What can I get out of the organization?" It means being a booster, not a knocker.

It means that you must believe in what you are doing and express this belief by being a really professional person. Owing to your profession means all of these things and above all, the privilege of being able to practice your calling in a free society.

AIDS, August 1962





The previous article was taken from the N. V. A. T. A. News and Views. It is a very good thought to go over as we start a new year as teachers of Vocational Agriculture

### To You of the I. A. V. A. T.

We wish to express our sincere thanks and appreciation for the sterling silver letter opener given us by the I. A. V. A. T.

H. M. Hamlin  
M. Henderson

### Thanks Fellows

I wish to express my thanks to all of you who helped at the State FFA Judging Contest. Many hands make a job much lighter for everyone.

### Region IV N. V. A. T. A. Summer Conference

Yours truly and your Vice-President, Bill Martinie, represented the I. A. V. A. T. at the Region IV N. V. A. T. A. Conference in Ohio during June 24-26. All six states: Illinois, Indiana, Kentucky, Michigan, Missouri, and Ohio, were well represented. A more detailed report of the conference will be in the September issue of the I. A. V. A. T. News.

### Dates to Remember

|               |   |
|---------------|---|
| September 7-8 | Farm and Home Science Show at the University of Illinois              |
| September 22  | State FFA Meat and Milk Judging Contest at the University of Illinois |

### How Many Honorary American Farmers Are There in Illinois and Who Are They?

### Have You Paid Your Dues?

Here are those who have:

Section 6 -- 100%  
Section 17 -- 100%  
Section 22 -- 100%  
Section 25 -- 100%  
Supervisory staff -- 100%  
U. of I. staff -- 100%  
S. I. U. staff -- 100%

### Good Luck to You Both

I am sure that when I speak for myself, I am speaking for every I. A. V. A. T. member in the state of Illinois, wishing Dr. Hamlin and Mr. Henderson all the best in their retirement.

Illinois especially will never forget what these two men have done for the teachers of vocational agriculture.

He who does most, lives most; he who lives most, gives most.



The following is a letter written by a former student of Mr. Charles L. Schettler, Wapella.

OBSERVATIONS ON  
VOCATIONAL AGRICULTURE AND THE FUTURE FARMERS OF AMERICA

by  
RICHARD E. BELL

When I entered high school in the fall of 1948, I enrolled in vocational agriculture and applied for membership in the Future Farmers of America. I continued in vocational agriculture, and participated in the FFA, during all four years of high school. As a matter of fact, my career in the FFA extended one year beyond high school, since during my freshman year in college I served as a State Vice-President in the Illinois Association of the FFA.

I pursued such a course of study, knowing all along that in all probability that I would not replace my Dad on the family farm in Illinois after I had completed high school. My curiosities reached beyond the boundaries of our farm. Besides, I had a younger brother intent on assuming a partnership with my Dad on the home farm, and eventually stepping-into my Dad's place.

My reason for enrolling in vocational agriculture and taking part in the FFA, although I did not intend to become a farmer upon completion of high school, was that I thought they offered opportunities which were not available elsewhere. I have not regretted this decision. Vo-ag and the FFA, along with a similar activity known as 4-H Club, pointed me in the direction I wished to travel with respect to an occupation. Admittedly, I had a talented and inspiring vo-ag teacher, whose contribution I cannot deny.

Some students at college of agriculture campuses will argue that for a high school pupil intending to study agriculture at the university level, vo-ag in high school is a waste of the student's time and it would be more beneficial to study more mathematics and science. My experience does not encourage me to adhere to such a theory. I discovered that vo-ag training merely allowed for more rapid progress through the prerequisite courses in agriculture, and made possible more time in advanced courses. Also, the knowledge acquired in vo-ag class made possible the need for less study time on courses in agriculture, and allowed more time to study economics, political science, and other humanities which are conducive to better citizenship upon completion of university work.

A rewarding by-product of vo-ag is the opportunity to be a member of the FFA. This organization provides training ground for instilling leadership capacity. Farm boys are fortunate to have such an opportunity. Leadership training under the close supervision of the vo-ag teacher cannot be acquired elsewhere by farm boys. The activities of the FFA promote a confidence and social ease for farm boys that will remain with them throughout their careers, whether these be farming, jobs in the growing agri-business sector, or in positions unrelated to agriculture.

The FFA provides farm boys the opportunity to work with people on an organized basis; they are able to assume a position of responsibility in an organized group. They are given the chance to handle public money, and to properly account for its use. The activities of the FFA enable farm boys to travel, meet people, and broaden their scope.

Vocational agriculture and the FFA have a role to play in our rural and farm areas in the future. Although their applications may need to be adjusted to meet the dynamic changes taking place in U. S. agriculture, the purposes and principles of vo-ag and the FFA can remain the same as they have been in the past. Furthermore, it will be a waste of acquired knowledge if these experiences are not used in the training programs in other sectors of the U. S. economy.

AIDS, August 1962



Vo-ag and the FFA teach an appreciation of scholarship, provide leadership training, and prepare farm boys for responsible U. S. citizenship. The training resulting is needed whether the boy becomes a farmer or works at an occupation unrelated to farming.

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\* Presently Assistant U. S. Agricultural Attache, Ottawa, Canada

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SEND YOUR NEWS AND VIEWS TO GEORGE O. IRVINE -- TONICA, ILLINOIS



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| Meat and Milk Judging Contest . . . . .                                      | 2                 |
| New Books . . . . .  | 11                |
| New Telephone System . . . . .   | 4                 |
| Policies and Procedures . . . . .  | 7, 8, 9, 10       |
| Sound Motion Picture on "How to Collect Insects" . . . . .                   | 2                 |
| Sheep Shearing Equipment . . . . .   | 5                 |
| Your Rural Road Challenge . . . . .  | 5                 |





## PRICE LIST OF FEEDS<sup>1/</sup>

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed                                      | Cost per bu., cwt.,<br>or tons in dollars |         |         |
|---|---|---------|---------|
|   | May 20                                    | June 20 | July 20 |
| Corn, shelled, bu. <sup>2/</sup> . . . . .        | 1.06                                      | 1.04    | 1.05    |
| Corn, ground shelled, bu. . . . .                 | 1.16                                      | 1.14    | 1.15    |
| Corn, ground ear, bu. . . . .                     | 1.16                                      | 1.14    | 1.15    |
| Oats, bu. . . . .                                 | .64                                       | .58     | .60     |
| Oats, ground, bu. . . . .                         | .74                                       | .68     | .70     |
| Barley, (feed) bu. . . . .                        | 1.14                                      | 1.03    | 1.04    |
| Barley, ground or rolled, bu. . . . .             | 1.24                                      | 1.13    | 1.14    |
| Sorghum, grain cwt. . . . .                       | 1.95                                      | 1.90    | 1.92    |
| Sorghum, grain, cracked, cwt. . . . .             | 2.05                                      | 2.00    | 2.02    |
| Garbage and kitchen waste, ton. . . . .           | 8.50                                      | 8.50    | 8.50    |
| Skim and buttermilk, cwt. . . . .                 | 1.50                                      | 1.50    | 1.50    |
| Whole milk, Grade B., cwt. . . . .                | 3.00                                      | 3.00    | 3.00    |
| Corn silage, ton. . . . .                         | 12.00                                     | 12.00   | 12.00   |
| Sorghum silage, ton. . . . .                      | 11.00                                     | 11.00   | 11.00   |
| Grass silage, ton                                 |   |         |         |
| No preservative added . . . . .                   | 8.00                                      | 8.00    | 8.00    |
| Preserved with 70-100 lb. molasses . . . . .      | 11.00                                     | 11.00   | 11.00   |
| Preserved with 150-200 lb. gr. corn. . . . .      | 13.00                                     | 13.00   | 13.00   |
| Clover and mixed hay ) . . . . .                  | 25.00                                     | 18.00   | 25.00   |
| Cowpea hay            ) Add \$5 per ton . . . . . | 20.00                                     | 20.00   | 20.00   |
| Soybean hay           ) for baled hay. . . . .    | 20.00                                     | 20.00   | 20.00   |
| Alfalfa                ) and straw. . . . .       | 25.00                                     | 18.00   | 25.00   |
| Timothy hay . . . . .                             | 20.00                                     | 18.00   | 20.00   |
| Corn stover, ton. . . . .                         | 11.00                                     | 11.00   | 11.00   |
| Oat straw . . . . .                               | 18.00                                     | 15.00   | 18.00   |

<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois  
Urbana, Illinois

<sup>2/</sup> High-moisture corn to be discounted at the rate of 1¢ for each 1/2% moisture  
above 15.5%

| <u>Pasture Rates*</u>         | <u>Cost per day</u> |
|-------------------------------|---------------------|
| Calves and colts, 6-11 mos.   | \$.06               |
| *Cattle and colts, 12-24 mos. | \$.09               |
| *Cattle, 24 mos. and older    | \$.12               |
| Lambs to weaning              | \$.01               |
| Sheep - yearlings and mature  | \$.025              |
| Pigs, 50-100 lbs.             | \$.0025             |

\* Full fed cattle on pasture, reduce by 2/3

\* Limited fed cattle on pasture, reduce by 1/3

**VOCATIONAL AGRICULTURE SERVICE**

University of Illinois · College of Agriculture

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# VO-AG AIDS

Volume 21, Number 2  
September 1962

SEP 5 1962  
UNIVERSITY OF ILLINOIS

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

Field Notes for Surveying. A booklet "Field Notes for Surveying" containing 11 pages ruled for keeping field notes and bound with a stiff cover, has been prepared and is available at 10 cents per copy, f. o. b. Urbana. These booklets are being taken to the even-numbered section meetings in quantities for distribution to teachers who wish to use them with the surveying kit this next school year. For others who may wish them, copies are available from Vocational Agriculture Service.

JWM

Agricultural Releases. To date (August 16, 1962) 482 orders have been received for Agricultural Releases. Please note that the deadline for subscribing to Agricultural Releases is October 1. Be sure your order reaches us before that date. The first issue of releases should reach you by shortly after October 1.

JWM

FFA Roadside Signs. At the present time, we have about 30 sets of reconditioned FFA roadside signs which can be used to replace sets that need to be reconditioned. These will be made available on a first-come-first-served basis. Send us your request, indicating which slogan you now have, before November 1. Sets remaining after that date may be made available to schools that do not have a set now. Expense of reconditioning is borne by the Illinois Foundation FFA so there is no charge for this replacement unless individual signs are missing or damaged beyond repair. In this case, the chapter will be charged \$1.00 per sign. Schools that request replacement sets will be notified when to pick up the new and deliver the old signs.

JWM

pH Soil Testing Kits. At the suggestion of teachers and supervisors, a sample portable testing kit for making pH tests using the powder that was demonstrated at the sectional fertilizer courses has been prepared. This kit, in a metal carrying case, contains 24 vials, a measuring spoon, enough powder and distilled water for 100 pH tests, a set of instructions and a color chart. It is being displayed at the even-numbered sectional meetings. So far, teacher reactions have been very favorable. A definite announcement about the price and availability of the kit will be made in the October AIDS.

JWM

AIDS, September 1962



One-Day Courses in Surveying Two courses on Surveying to qualify teachers to use the loan kit of surveying equipment are scheduled yet in September. One will be held at Georgetown on September 15 and the other at Minooka on September 29. If you are in one of the even-numbered sections which will have kits this school year and would like to attend one of these courses, write to Vocational Agriculture Service and we will see that you are enrolled.

JWM

Persons Handling Electric Motor Kits. The following power supplier representatives and others will be in charge of the Vocational Agriculture Service Electric Motor kits for the school year 1962-63. Please schedule your use of the kit with these men well in advance of the date you wish to use it.

| <u>Section</u>  | <u>Name</u>                       | <u>Address</u>   |
|---|-----------------------------------|--|
| 1   | *Howard E. Hetrick                | Central Ill. Elec. & Gas Co.<br>303 N. Main St , Rockford<br>Stored at above address         |
|   | Frank Svoboda                     | Public Service Company<br>Oregon, Illinois   |
|   | L. R. Herbig                      | Public Service Company<br>Freeport, Illinois   |
| 2   | *Robert Liehr, Vo-Ag Inst.        | Morrison Comm. High School<br>Lock Box #232<br>Morrison, Illinois<br>Stored at above address |
| 3   | *LeRoy V. Hard                    | Illinois Valley Cooperative<br>Box #261<br>Princeton, Illinois<br>Stored at above address    |
| 4   | *D. H. Parke                      | Illinois Power Company<br>1144 Monmouth Blvd. , Galesburg<br>Stored. at above address        |
| 5   | *John Ewan<br>(2 kits in Sect. 5) | Central Illinois Light Company<br>Lacon, Illinois<br>Stored: at above address                |
| 5   | *Mark Kemper                      | Central Illinois Light Company<br>300 Liberty St. , Peoria<br>Stored: at above address       |
| 6   | *A. C. Petit, Jr.                 | Public Service Company<br>DeKalb, Illinois<br>Stored. at the High School                     |
| (Mr. Brown , VAI, suggested the Public Service man at Woodstock might help) |                                   |  |
| 7   | *Robert J Busgen                  | Illinois Power Company<br>200 Marquette St , LaSalle<br>Stored. at above address             |





| <u>Section</u> | <u>Name</u>      | <u>Address</u>   |
|----------------|------------------|--|
| 8              | Marion Welles    | Yorkville High School<br>Yorkville, Illinois<br>Stored: at above address   |
| 9              | *Joe Crosno      | Cornbelt Electric Coop.<br>Bloomington, Illinois<br>Stored: at above address   |
| 10             | *C. C. Benbow    | Central Ill. Public Serv. Co.<br>Watseka, Illinois<br>Stored: at above address                                       |
| 11             | *Lester Aeilts   | Western Illinois Electric Coop.<br>524 N. Madison, Carthage<br>Stored: at above address                              |
|                | Roy C. Kerr      | Central Illinois Public Service Co.<br>Macomb, Illinois  |
| 12             | *Lyle Phillips   | Central Illinois Public Serv. Co<br>Havana, Illinois   |
| 13             | *Roger Mohrman   | Adams Electric Cooperative<br>Camp Point, Illinois<br>Stored: at above address                                       |
| 14             | *Roy Goode       | Rural Electric Convenience Coop.<br>Auburn, Illinois<br>Stored: at above address                                     |
|                | D N. Schneider   | Central Illinois Light Company<br>Fourth & Capitol, Springfield  |
| 15             | *Harold Ellerman | Central Illinois Pub Serv. Company<br>Jerseyville, Illinois<br>Stored: at Ill Rural Elec Co.<br>Winchester, Illinois |
|                | Karl Longenbaugh | Illinois Rural Electric Company<br>Winchester, Illinois  |
| 16             | *John L. Ingham  | Illinois Power Company<br>2460 N Jasper, Decatur<br>Stored: at above address   |
| 17             | *Charles C. Shaw | Central Illinois Public Service Co.<br>Paxton, Illinois<br>Stored Florida Avenue Warehouse-U of I                    |
|                | Cy Anderson      | Eastern Illinois Power Coop<br>Paxton, Illinois  |
| 18             | *Texas E. Davis  | Illinois Power Company<br>24 S Vermillion St, Danville<br>Stored: at above address                                   |
| 19             | *L W. Seaman     | Shelbyville Electric Coop<br>Shelbyville, Illinois<br>Stored: at above address                                       |



| <u>Section</u> | <u>Name</u>                            | <u>Address</u>   |
|----------------|--|--|
| 20             | *Carl Mitchell<br>(2 kits in Sect. 20) | Norris Electric Cooperative<br>Newton, Illinois<br>Stored: at above address                                  |
|                | *Randall L. Beasley                    | Coles-Moultrie Elec. Coop.<br>P. O. Box 709, Mattoon<br>Stored. at above address                             |
| 21             | *A. W. Bird                            | Tri-County Electric Coop.<br>Mt. Vernon, Illinois<br>Stored. at above address                                |
|                | Vic Ketten                             | S. W. Electric Cooperative<br>Greenville, Illinois<br>Stored. at Tri-County Elec. Coop.                      |
| 22             | *Robert Vander Pluym                   | Clinton County Electric Coop.<br>Breese, Illinois<br>Stored. at above address                                |
| 23             | *Roy L. Morris                         | Wayne-White Counties Electric<br>Fairfield, Illinois<br>Stored: at C. I. P. S., Olney                        |
|                | Howard M. Bailey                       | Central Illinois Public Service Co.<br>Olney, Illinois<br>Stored. at above address                           |
| 24             | *H. M. Parker                          | Central Illinois Public Service Co.<br>400 N. Illinois Ave., Carbondale<br>Stored: at 405 N. Illinois Avenue |
| 25             | *H. J. Blank                           | Central Illinois Public Service Co.<br>29 W. Church St., Harrisburg<br>Stored. at above address              |

\*This person should usually be contacted when the kit is wanted. If more convenient for a teacher, the other power suppliers can be contacted.

JWM

Meat and Milk Products Judging Contest This contest will be held on the University of Illinois campus, September 22, starting at 10 00 a m. Please register at the Stock Pavilion in time for the boys to be in their places before judging time.

Attached to this copy of the AIDS is a self-addressed card for you to return if you plan to bring a team. This is not a preregistration but a means of determining the number of teams to prepare for. Please return this card immediately if you expect to bring one or both teams.

A list of the rings for each contest was included in the Judging Contest Rules sent to you last February. If you have lost your copy, we still have a few and would be glad to send you another one as long as the supply lasts.

WHW



"Fertilizers" 1-Day Short Course Material The following items used in the 1-day short course are available on a composite order basis. Vocational Agriculture Service will accept orders until September 15, 1962, and will then duplicate and distribute copies as soon as possible. The following items were distributed at the sectional courses: Safe Fertilizer Application, Using Phosphorus Fertilizers, Nitrogen, Soil Test Report, Using the Results of Your Acidity Test for Lime, Phosphorus-Map and Interpretation, Potassium-Map and Interpretation, Instructions for pH Power Indicator Method, and Colore pH Standard chart. These items are included on the tear sheet for the convenience of any wishing to order.

NOTE: A large number of orders for these materials have been received already. These have not been acknowledged individually, but you may expect to receive your order soon after September 15.

RLC

Letter of Invitation. The following letter was sent to us by Dean Karl Gardner for the vocational agriculture teachers of Illinois:

"Dear Colleagues:

The Historical Committee of the University of Illinois, College of Agriculture Alumni Association was authorized to prepare a Cyril G. Hopkins "Poorland Farm" memorial plaque for placement at the Brownstown Experimental Station.

The dedication of the plaque will be held in connection with the annual meeting and celebration of the twenty-fifth anniversary of the establishment of the Brownstown Experimental Station Wednesday, September 5, 1962 at 1:00 p. m.

The committee on invitations is anxious that all former students and associates of Dr. Hopkins, as well as the present staff of the College of Agriculture, attend the dedication ceremonies.

This can be a grand reunion of old timers. Why not call up a few friends, get them in the car and come?

The Brownstown Station is located on Illinois State Route 185, three miles south of the town of Brownstown, which is on U. S. Route 40 and six miles east of Vandalia, also on Route 40 and 185.

A. E. Burwash  
Class of 1912  
Chairman"

KG/JWM



Calendar of Agricultural and Home Economics Events. Enclosed with each copy of the August AIDS being sent to vocational agriculture teachers in Illinois will be found the Calendar of Agriculture and Home Economics Events listing important conferences, field days, short courses, etc., for the College of Agriculture, University of Illinois.

CDS/JWM

Farm-City Agriculture and Home Economics Careers Contest. Last year the Illinois Farm-City Committee undertook a project to encourage youth to consider careers in Agriculture and Home Economics. We are naturally interested in this and any other project promoting better farm-city relationships. The College of Agriculture and the IAVAT is represented on the committee. A copy of the rules and application form is included with this mailing to Illinois vocational agriculture teachers.

The contest needs local sponsorship, which amounts to putting up funds for local prizes. At least \$150.00 for first prize is the suggested amount. Any organization or group may be a sponsor. Civic clubs have been interested.

Local radio stations handle their own publicity, and the program is pretty well self-sustaining once it is undertaken. The biggest task seems to be in securing the local sponsor or sponsors for the prizes. It might fit in very well as an activity of your county farm-city committee or of your local civic club. Most radio stations in Illinois have been contacted about this program. Listed below are the stations that are studying the possibility of taking on the contest locally. As of this time, these ten stations have definitely decided to conduct the careers contest:

|      |           |      |             |
|------|-----------|------|-------------|
| WDZ  | Decatur   | WJBM | Jerseyville |
| WLBK | DeKalb    | WRAM | Monmouth    |
| WIXN | Dixon     | WCMY | Ottawa      |
| WFIW | Fairfield | WJRL | Rockford    |
| WGSB | Geneva    | WRMN | Elgin       |

These and perhaps others are still considering it:

|      |          |      |            |
|------|----------|------|------------|
| WBYS | Canton   | WMIX | Mt. Vernon |
| WFRL | Freeport | WIZZ | Streator   |
| WLPO | LaSalle  | WMRO | Aurora     |

George C. Biggar, General Manager, WIBK, DeKalb, Illinois, is handling this portion of the project. You or your local station are invited to contact him for further details, additional copies of rules, and any other help you may need in getting the project started and for follow-through.

Last year's state-wide winner of \$200 was Pete Borah of Goldengate, Illinois (WFIW - Fairfield). In addition, he was awarded \$150.00 by the local Rotary Club. Pete is entering college this fall to prepare to teach vocational agriculture. Surely, I don't need to tell you teachers that we need more young men like Pete to carry on your work 5-10-15 and 25 years from now (while you are enjoying your retirement!).

George Biggar's experience is that this project needs and deserves the support of vocational agriculture teachers. The Illinois Broadcasters Association (IBA) has approved the project. How about contacting your local radio station now?





Similar materials and announcements have been sent to all Illinois Farm and Home Advisers. It would be well if all of you in a given area could concentrate your efforts with the local station.

You, of course, should have a complete set of our career brochures (departmental and college wide). If not, let us know and we'll send you a set.

Farm-City Committee Chairman, John Abram, Elburn, Illinois, is an enthusiastic promoter of this project. (He has a son enrolled in vocational agriculture and a daughter in the University of Illinois.) An additional bonus arranged by John is an expense-paid trip to Chicago for the winner and his parents. If enough stations participate, there is also the possibility that the State award will be increased to \$500.

CDS/JWM



## NEW BOOKS

The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

MAN AND HIS EARTH. 1962. George D. Scarseth. \$4.50. Iowa State University Press, Press Building, Ames, Iowa.

According to the information sheet that accompanied this publication:

"the book has a yeasty quality designed to inspire farmers and agricultural scientists to venture into new methods of farming, new experiments with fertilizers, into any area that offers a challenge to improve a crop, a soil, a way of life. In simple language, Scarseth describes the characteristics and contributions of five basic soil components. His 'capsule course' in chemistry is so worded that the man in the city as well as farm people and future scientists can understand what goes on in the world of nature.

"In an introductory section of "Man and His Earth" John Strohm, who encouraged Scarseth to share his fascinating philosophies with the public, says, 'This book has a vast significance for a troubled world. Two out of three persons in the world today work the soil for a living--yet it is a paradoxical fact that two out of three of the earth's inhabitants are hungry. . . You'll have a more real understanding of soil and the human race if you read this book!."

THE FFA AND YOU. 1962. R. E. Bender, R. M. Clark, and R. E. Taylor. \$4.95. The Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois.

According to the information sheet that accompanied this publication:

"This book is designed to aid the busy teacher in helping FFA members and officers plan, conduct, and evaluate FFA activities. It is a "how to do" reference that is inspirational in tone. However, it is more than just a series of recipes since it provides the necessary background and understandings needed by members, officers, and advisors to develop their maximum leadership potential.

"The FFA and You will be a valuable text for vocational agriculture classes on the various aspects of FFA. It is desirable for every member and a must for every chapter, district, state, and national officer."



EDUCATORS GUIDE TO FREE FILMSTRIPS. 1962 \$6.00 Educators Progress Service, Randolph, Wisconsin.

This is an 8-1/2" x 11" book, consisting of 172 pages. According to the information sent to us:

"This FOURTEENTH annual edition lists 643 titles, including 52 sets of slides. In 1946, only 82 free filmstrips were available. Since that time, the quality as well as the number of free filmstrips and slides has made most significant gains.

"Of the 643 titles, 67 were not listed in the Thirteenth edition. All new titles are starred (\*). All told more than 40,000 separate frames or pictures, or miniature posters, from 97 different sources are brought to you. 28 of the filmstrips listed in this Guide may be retained permanently by the borrower, to start his filmstrip library, or to add to his present library. This GUIDE brings you a wealth of supplementary visual materials at a minimum cost.

"You can help. Your editors maintain a continuous correspondence with a large number of agencies, in order that your GUIDE may be as nearly complete in coverage as possible. YOUR suggestions and information will be helpful in providing subsequent editions. And if you have no criticisms or suggestions, write anyhow and tell us so -- just to make us feel good."





# I A V A T NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

### NVATA Regional IV Conference - Held in Ohio.

The Regional IV Conference of NVATA was held June 24-26 at Carrollton, Ohio, on the Ohio FFA Camping Grounds -- and what a camp -- on a beautiful lake; it includes 4 dormitories with 60-70 bunks, 2 shower houses, cafeteria, recreation hall, a study and library. Boats, gas, and motors were furnished. They have quite a set-up.

Walter Bomeli, Region IV Vice President was in charge of the meetings. Region IV includes Michigan, Kentucky, Ohio, Indiana, Missouri, and Illinois. The purpose of the meeting was to discuss business items for the AVA Convention which will be held in Milwaukee, December 1-6. The exchange of ideas and problems of the different state associations was also on the agenda.

Those attending from Illinois were George Irvine, Bill Martinie and Jesse Keyser.

You know, fellows, Illinois is surely getting its money's worth from the IAVAT Association. Look these figures over:

|          | <u>Members</u> | <u>Percent paid<br/>Membership</u> | <u>Dues</u> |
|----------|----------------|------------------------------------|-------------|
| Indiana  | 313            | 94                                 | 17.00       |
| Illinois | 500            | 100                                | 14.50       |
| Ohio     | 371            | 98                                 | 15.50       |
| Kentucky | 278            | 97                                 | 16.00       |
| Missouri | 266            | 100                                | 20.00       |
| Michigan | 224            | 83                                 | 16.50       |

These figures are from last year's association membership. With dues at \$14.50, Illinois should be the first for 100% membership.

## New Ideas

Mr. Damisch, who is chairman of the AVA Resolutions Committee would appreciate any ideas you might pass on to him for this committee.

## New IAVAT Handbook

With the good work the various committees did last year and with the help of the committees this year, we think we will be able to get out a new IAVAT Handbook, which is the guide for every IAVAT member.





### Things You Should Know.

The University of Illinois is offering Education 477 in District I this year and in District V next year.

There will be 15 new units put out this year by Vocational Agriculture Service. They will be ready by early this fall.

American Farmer applications will be revised for next year.

Enrollment in our Illinois Agriculture Program is the biggest since 1958-59. We had 15,379 boys, 875 young farmers, and 9,754 adults this past year.

The "New Dimensions in Agriculture" Conference was attended by 196 from throughout the country.

Men with Doctor of Education degrees are in demand with plenty of openings available.

### Maintain Your FFA Signs.

Take a look at your set of FFA signs. Are some of them gone, need painting, crooked, etc? If so, either correct them or take them down. A set of poor signs is worse than none at all.

Do you realize the FFA Foundation spent over \$900 last year for the maintenance of these signs?

### Illinois Largest Exporter.

At the Mid-American Farm Day Luncheon, Sunday July 29, put on by the Chicago Association of Commerce and Industry, two points were brought out about Illinois in the role of an exporter. (1) We export more than any other state in the United States and (2) that Illinois averages \$2,000 in export trade per farm.

### Do You Know Your Illinois Foundation Committee?

If you don't, you may get the names from me or your sectional chairman.

In 1961 these committees collected over \$15,000 for the FFA Foundation in Illinois.

I notice that there were 4 sections who collected over \$1,000 and I also note that we had one section in Illinois that didn't turn in one cent.

We, as teachers of vocational agriculture, should really be behind this program.

### What Makes a Good Teacher?

Out of 90,000 letters from students, Dr. Paul Witty of Northwestern University has made up a list of the 12 qualities it takes to be a good teacher. Do you agree with him?

- |                                    |                                |
|------------------------------------|--------------------------------|
| 1. A friendly attitude             | 7. Sense of humor              |
| 2. Consideration of the individual | 8. Good disposition            |
| 3. Patience                        | 9. Flexibility                 |
| 4. Wide interests                  | 10. Interest in the individual |
| 5. Good manners                    | 11. Generosity                 |
| 6. Fairness                        | 12. Skill                      |

It might be good for us to go over this list before the little chargers come charging into the classroom.



## Honorary American Farmers - Illinois

### Supervisors, Teacher Trainers, Vocational Agriculture Instructors

|      |                          |                                   |                |
|------|--------------------------|-----------------------------------|----------------|
| 1945 | D. A. Parish*            | Vocational Agriculture Instructor | Byron          |
| 1945 | R. J. Walker             | Vocational Agriculture Instructor | Chenoa         |
| 1947 | A. W. Nolan (deceased)   | Teacher Trainer                   | Urbana         |
| 1947 | J. E. Hill*              | State Supervisor                  | Springfield    |
| 1948 | H. M. Hamlin (R)         | Teacher Trainer                   | Urbana         |
| 1948 | R. J. Maurer             | Vocational Agriculture Instructor | Fairbury       |
| 1949 | G. R. Brown*             | Vocational Agriculture Instructor | Lanark         |
| 1950 | Dana Lewis               | Vocational Agriculture Instructor | Hersman        |
| 1950 | George A. Richter, Jr. * | Vocational Agriculture Instructor | Franklin       |
| 1952 | Robert Howey*            | Vocational Agriculture Instructor | Newark         |
| 1952 | Clifton E. Wick*         | Vocational Agriculture Instructor | Pearl City     |
| 1953 | J. B. Adams (R)          | State FFA Executive Secretary     | Springfield    |
| 1954 | Clyde E. Fry*            | Vocational Agriculture Instructor | Clinton        |
| 1954 | C. S. Brock*             | Vocational Agriculture Instructor | Greenville     |
| 1954 | J. A. Twardock*          | Vocational Agriculture Instructor | Champaign      |
| 1955 | C. M. Hatland (R)        | Vocational Agriculture Instructor | Walnut         |
| 1955 | C. J. Kuster*            | Vocational Agriculture Instructor | Normal         |
| 1955 | L. F. Lentz (R)          | Vocational Agriculture Instructor | Belleville     |
| 1955 | Glenn T. Moore           | Vocational Agriculture Instructor | Oneida         |
| 1955 | Melvin J. Nicol*         | Vocational Agriculture Instructor | Maroa          |
| 1956 | O. C. Holt *             | Vocational Agriculture Instructor | Amboy          |
| 1957 | LaVerne Baker*           | Vocational Agriculture Instructor | Franklin Grove |
| 1958 | Ken W. Knell*            | Vocational Agriculture Instructor | Mahomet        |
| 1959 | L. T. Clark*             | Vocational Agriculture Instructor | Olney          |
| 1960 | R. E. Dagner             | Vocational Agriculture Instructor | Assumption     |
| 1961 | A. L. Schick*            | Vocational Agriculture Instructor | Sterling       |

\*Presently engaged in Agricultural Education

(R) Retired from Agricultural Education

### Is Your Section 100%?

Due to the change in date to collect the IAVAT dues, no doubt some of us were confused.

The time to pay your IAVAT dues is at the IAVAT June Conference, so hereafter let's try to get them in at that time.

AIDS, September 1962



Sections with 100% dues paid are:

Sections 1, 4, 5, 6, 7, 11, 12, 16, 17, 18, 19, 21, 22, 24, and 25.

Vocational Agriculture Service 100%

S. I. U. 100%

U. of I., Ag. Ed. 100%

Supervisory Staff, Springfield 100%

The above sectional chairmen and secretaries are to be complimented.

### IAVAT Budget for 1962-63

#### Receipts

|                            |          |
|----------------------------|----------|
| Dues and subscriptions     | 5,960.00 |
| IAVAT Exhibits, AVA Refund | 210.00   |
| State judging contest      | 530.00   |

#### Expenses

|                                     |          |
|-------------------------------------|----------|
| Convention and conferences          | 500.00   |
| AVA Dues                            | 2,500.00 |
| IVA Dues                            | 200.00   |
| NVATA Dues                          | 1,500.00 |
| Ag. Ed. Subscriptions               | 300.00   |
| Awards and Banquets                 | 400.00   |
| Judging and Dairy Holding contests  | 295.00   |
| Postage, stationery, phone, etc.    | 230.00   |
| Memorials, flowers, etc.            | 60.00    |
| IAVAT Committee reports             | 80.00    |
| Vo-Ag Service                       | 100.00   |
| Miscellaneous                       | 100.00   |
| Sec. Salary for 1961-62 and 1962-63 | 350.00   |
| IAVAT Handbook                      | 110.00   |

### Notes from FFA Foundation Meeting in July

General eligibility requirements for public speaking be changed to read "any FFA member in high school enrolled in vocational agriculture or having completed all the vocational agriculture offered in his high school be eligible to participate in extemporaneous and prepared public speaking."

Committee to be appointed with Lee Shafer as Chairman to study the Illinois Foundation FFA Award Program. Study to include horticulture and other areas that may need attention.

25 U. of I short course scholarships in agriculture of \$50 each to be made available this year.

The FFA Foundation has a budget of \$18,000 set up for this year. Has your chapter ever donated to the FFA Foundation? How many years?



## Meet Your Vice-President -- Bill Martinie

Bill was born in Sterling, Illinois on July 25, 1927. He attended the public school in Sterling until the third grade when his parents moved to Lincoln, Illinois. His parents moved to a farm in 1941 near Atlanta, Illinois. He completed his high school training at the Atlanta High School in 1945. His high school career in vocational agriculture was limited to one semester due to World War II and the vocational agriculture teacher shortage.

His undergraduate work was done at Illinois State Normal University and the University of Illinois where he was graduated in 1950. He received his Master of Education Degree from the University of Illinois in 1958.

Upon completion of his undergraduate work, he taught vocational agriculture in Cuba, Illinois for three years in a two-man department. He has taught in Minonk for the past nine years.

He is a member of the Masonic Lodge of Minonk, Bloomington Consistory, Farm Bureau and Alderman of the Second Ward in Minonk. He served in the U. S. Navy during World War II.

He married Velva June Jensen of Kenny, Illinois, in 1950. They have four children -- Linda 11, Marcia 8, Connie 4, and Gary 3.

## An idea from Section 7.

For a number of years now the Section 7 vocational agriculture teachers have held their fall section meetings at Earlville.

The morning is taken up by sectional business and the afternoon they putter around the golf course.

Jobs are like banks; put something in them and you create interest!

Please send your news to: George Irvine  
Tonica, Illinois





I. A. V. A. T. COMMITTEES FOR 1962-63

Executive Committee

George Irvine, Tonica, President  
William Martinie, Minonk, Vice-President  
J. W. Berger, Charleston, Secy. -Treas.  
E. L. Rice, Princeville, Dist. I Director  
Marion Welles, Yorkville, Dist. II Director  
Arthur Eicken, Carrollton, Dist. III Director  
M. J. Nicol, Maroa, Dist. IV Director  
C. M. Gowler, Centralia, Dist. V Director  
Jesse Keyser, Lawrenceville, Past President

Resolutions -- Marion Welles

Charles Pearson, Sparland  
Glen Curl, Rochelle  
Merl Holt, Palmyra  
Gordon Bidner, Monticello  
Elmer Schuchmann, Red Bud--c

Contests -- Arthur Eicken

James Guilinger, Williamsfield  
C. J. Kuster, Normal--c  
Stanley Klaus, Carlinville  
W. A. Hockett, Fithian  
R. D. Eiler, Highland  
W. H. Witt, U. of I.  
H. M. Strubinger, State Office

State Fair -- Arthur Eicken

George Richter, Newark--c  
Paul Nicely, Tampico  
Dale Barthel, Rochester  
Don Bateman, Leroy

Newsletter

George Irvine, Tonica  
Jesse Keyser, Lawrenceville

Ag. Ed. Advisory -- E. L. Rice

Arthur Schick, Sterling  
Arthur Meadors, Morris  
I. L. Brakensiek, Quincy--c  
Leon Mayer, Teutopolis  
Richard Lowe, St. Elmo

Vo-Ag Service Advisory -- E. L. Rice

Irving Huggins, Rockton  
Don Barrett, Huntley  
Burdette Graham, Macomb  
Russell Lewey, Rantoul  
Ardell Kimmel, Campbell Hill--c

I. V. A. Ed. Exhibit -- C. M. Gowler

Robert Howey, Sycamore--c  
Robert Brown, DeKalb

FFA Foundation -- Arthur Eicken

Eldon Aupperle, Monmouth  
Sherwood Jackson, Seneca  
Ralph Twenhafel, Waverly  
Bert Fringer, Chrisman  
Lee Shafer, Olney--c

Special Projects -- William Martinie

LaVern Baker, Franklin Grove  
M. V. Heiderschied, Auburn  
Charles Fisher, Pittsfield  
William Marshall, St. Charles--c  
Carl Chapman, Oblong  
William Doerr, Raymond  
Louis Templeton, Pinckneyville  
Ronald Siebel, Dwight  
J. H. Herbst, U. of I.  
Ralph Guthrie, State Office

I. V. A. Legislation -- C. M. Gowler

I. L. Brakensiek, Quincy--c  
Carl Brock, Greenville

Curriculum Study -- E. L. Rice

Robert Liehr, Morrison--c  
James Golby, Kewanee

I. V. A. Program

George Irvine, Tonica  
William Martinie, Minonk--c

Public Relations -- Marion Welles

Warren Schmidt, Oregon  
John Olson, Kirkland  
Jack Taylor, Buffalo  
Kenneth Diehl, Shelbyville  
Jerald Binkley, Kinmundy--c  
G. D. Coil, State Office

I. V. A. Representative

Jesse Keyser, Lawrenceville--c  
Keith McGuire, Polo

Banquet -- M. J. Nicol

J. A. Twardock, Champaign  
Kermit Esarey, St. Joseph--c  
Charles Schettler, Wapella

Research -- M. J. Nicol

Harry White, Fairbury  
Melvin Burkhalter, Mt. Morris--c

I. A. V. A. T. Ed. Exhibit -- C. M. Gowler

Kermit Esarey, St. Joseph  
Russell Lewey, Rantoul  
Robert Rohlfing, Paxton--c  
A. H. Krebs, U. of I.

I. A. V. A. T. Awards -- M. J. Nicol

J. A. Twardock, Champaign  
Kenneth Knell, Mahomet  
C. H. Crowley, Gibson City--c

Professionalism Committee -- M. Welles

Keith McGuire, Polo  
Jesse Keyser, Lawrenceville  
Harold Drake, Waterloo--c





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Education 477, Field Studies in Agricultural Education. The meeting places and dates for Education 477 are as follows:

| <u>Place</u>              | <u>Dates</u>  |
|---------------------------|---|
| Galva High School         | September 18 and 25<br>October 2, 16, 23, and 30<br>November 6 and 13 |
| Milledgeville High School | September 19 and 26<br>October 3, 17, 24, and 31<br>November 7 and 14 |

The meetings will begin at 5.00 p. m. and end at 9 00 p. m. Registration will be taken care of at the first meeting of the course.

For teachers who missed seeing the earlier announcements, the following course description may be of some help:

Education 477 is specially designed to deal with current problems in agricultural education and to give teachers an opportunity to work on problems peculiar to their own situations. It provides an opportunity both for getting up-to-date and for experimenting with new ideas. All experienced teachers are eligible for the course.

AHK

Education 370, Beginning Teachers' Course. Beginning teachers, returning teachers, and out-of-state teachers who are in their first year of teaching vocational agriculture in Illinois are eligible to enroll in the 1/2 unit extramural course, Education 370. This course will include four night meetings held in centers located geographically near to the enrollees. Centers are located so that the enrollees will not have to drive more than fifty miles to attend group meetings. The instructor visits each enrollee twice during the year. The course is designed to help teachers with problems usually encountered during their first year of work in Illinois. Interested persons should contact Dr. J. R. Warmbrod, 103 Gregory Hall, Urbana, Illinois.

LJP



New Telephone Number. The new telephone number of the Agricultural Education Office is 333-0807. We no longer have an extension number. The area code number is 217.

LJP

H. M. Hamlin to North Carolina. Dr. H. M. Hamlin retired from the University on August 31. On September 1, he started to work as a consultant in vocational education for the state of North Carolina.

LJP

New Staff Member Gerald R. Fuller has been appointed as a staff member in agricultural education. Mr. Fuller has taught vocational agriculture in New York. Since 1960, he has been on the agricultural education staff at Cornell University

LJP

Graduate Assistants in Agricultural Education, 1962-63 Graduate assistants for 1962-63 are Roy Dillon, Keith Fiscus, Kenny Earl Gray, Glenn Hayes, and Dwight Heckert. Roy Dillon is a former teacher of vocational agriculture in Illinois and has been employed recently with the IAA. Keith Fiscus has been a teacher of vocational agriculture at Haddon, Kansas. Kenny Earl Gray is a former national officer of the FFA and is from Mississippi. Glenn Hayes taught vocational agriculture at Norris City in 1961-62 and Dwight Heckert is a 1962 graduate of the College of Agriculture. The graduate assistants in agricultural education will be assisting with the research project relating to technical education for rural areas

LJP

Regional Research Conference. Five agricultural education staff members attended the 16th annual Central Region Conference on research in agricultural education at Iowa State University, August 6-10. Lloyd J. Phipps was chairman of the group dealing with research design. Dr. Paul Hemp was elected chairman of the research analysis and interpretation group. The research conference in 1963 will be at Michigan State University, August 13-16

LJP

1962 Summer Session Fifty-five Illinois teachers of vocational agriculture attended the 1962 summer session in agricultural education at the University of Illinois. Others attending whose major interest is agricultural education came from Indiana, Maryland, Texas, Australia and Egypt. The total enrollment of graduate and undergraduate students interested in agricultural education was seventy-three.

LJP



Placement Report As of August 15, there were 10 schools in Illinois still seeking teachers of vocational agriculture. Only four Illinois men not presently employed as teachers were available for placement. All newly qualified teachers seeking employment as teachers of vocational agriculture have been placed. Some out-of-state men have indicated an interest in teaching in Illinois. Dr. Paul Hemp will be responsible for the placement activities of the Division of Agricultural Education beginning September 1, 1962.

LJP

New Dimensions in Agricultural Education Conference One hundred and ninety persons attended the Conference on New Dimensions in Agricultural Education. Ninety-seven of those attending were Illinois teachers of vocational agriculture. Fifteen teachers from other states attended. Three state directors of vocational education and four state supervisors of agricultural education were present. Ten assistant supervisors from three states and thirteen teacher trainers from ten other universities attended the Conference.

LJP

Summer Experience in Agricultural Education Twenty-five undergraduate students are busy during late August and early September learning first hand about the summer work of vocational agriculture teachers. These prospective agriculture teachers are working under the supervision of the following cooperating teachers

| <u>Cooperating Teacher</u> | <u>School</u>     | <u>Students</u>                 |
|----------------------------|-------------------|---------------------------------|
| M. L. Boudreau             | Central (Clifton) | Wayne Sampson, Dale Walsten     |
| J. W. Berger               | Charleston        | Rodney Smith, Ronald Stickler   |
| Virgil Foster              | Henry             | Larry Melhouse, Dale Schroeder  |
| Eldon Chapman              | Herscher          | James Mohr, Gerald Decker       |
| Jesse Keyser               | Lawrenceville     | Lynn Gosnell, Keith Romack      |
| Carl McCausland            | Lewistown         | Thomas Hainline, Larry Lowe     |
| Kenneth Knell              | Mahomet           | James DeYoung, James Vetter     |
| James Leming               | Mattoon           | Kenneth Thomas, Roger Wenberg   |
| William Martinie           | Minonk            | Daniel Vogler                   |
| Eldon Aupperle             | Monmouth (Warren) | James Manthe, Donald Nelson     |
| William Doerr              | Raymond           | William Cole, Dale Fathauer     |
| Glenn Curl                 | Rochelle          | James Munton                    |
| Robert Howey               | Sycamore          | Donald Sargeant, Lanny Anderson |

LJP





Agricultural Education Publications Available from 103 Gregory Hall, Urbana, Illinois. (Single copies free )

George P Deyoe Some Comparisons of Male Graduates with and without Vocational Agriculture in Selected Illinois High Schools. 1961, 21 p

George P Deyoe and others. Some Suggestions for Selected Source Units in General Agriculture. 1961, 19 p

H M Hamlin. Decision-Making in the School Districts 1961, 6 p.

Paul E. Hemp. An Analysis and Appraisal of FFA and Vocational Agriculture Contests and Award Programs in Illinois 1961, 89 p.

R F Espenschied and Paul Hemp The Parents' Role in Programs of Vocational Agriculture. 1961, 6 p.

A. H Krebs Seven Ways to Use Teachers of Agriculture Effectively 1961, 6 p.

A H Krebs College Success of Students Enrolled in the College of Agriculture, University of Illinois 1961, 21 p.

Lloyd J. Phipps. A Comprehensive Agricultural Education Program for Young Farmers 1959, 37 p.

Lloyd J. Phipps. Agricultural Education for Beginning Farmers and Their Wives. 1961, 6 p.

The Staff. Graduate Study in Agricultural Education at the University of Illinois. 1961, 6 p.

LJP



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TO Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

Please send the following items

| No of copies | Price each* | Total Amount | Title   |
|--------------|-------------|--------------|---|
| _____        | 3¢          | _____        | Safe Fertilizer Application, 6 pages                        |
| _____        | 4¢          | _____        | Using Phosphorus Fertilizers, 8 pages                       |
| _____        | 6¢          | _____        | Nitrogen, 12 pages  |
| _____        | 1¢          | _____        | D-1 Soil Test Report  |
| _____        | 1¢          | _____        | D-2 Using the Results of Your Soil Acidity<br>Test for Lime |
| _____        | 1¢          | _____        | D-3 Phosphorus - Maps and Interpretation                    |
| _____        | 1¢          | _____        | D-4 Potassium - Map and Interpretation                      |
| _____        | 1¢          | _____        | Instructions for pH Powder Indicator<br>Method              |
| _____        | 20¢         | _____        | Colored pH Standard Chart                                   |

For use with the Surveying Kit:

\_\_\_\_\_ 10¢ \_\_\_\_\_ Field Notes

\*All prices are f. o. b. Urbana, Illinois

\_\_\_\_\_  
Name

\_\_\_\_\_  
School



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## PRICE LIST OF FEEDS<sup>1/</sup>

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed                           | Cost per bu., cwt.,<br>or tons in dollars |
|--|---|
| Corn, shelled, bu                      | 1.00                                      |
| Corn, ground shelled, bu               | 1.10                                      |
| Corn, ground ear, bu                   | 1.10                                      |
| Oats, bu                               | .58                                       |
| Oats, ground bu                        | .68                                       |
| Barley, (feed) bu                      | 1.03                                      |
| Barley, ground or rolled, bu           | 1.13                                      |
| Sorghum, grain cwt                     | 1.90                                      |
| Sorghum, grain, cracked, cwt           | 2.00                                      |
| Garbage and kitchen waste, ton         | 8.50                                      |
| Skim and buttermilk, cwt               | 1.50                                      |
| Whole milk, Grade B., cwt              | 3.00                                      |
| Corn silage, ton                       | 12.00                                     |
| Sorghum silage, ton                    | 11.00                                     |
| Grass silage, ton                      |   |
| No preservative added                  | 8.00                                      |
| Preserved with 70-100 lb. molasses     | 11.00                                     |
| Preserved with 150-200 lb. ground corn | 13.00                                     |
| Clover and mixed hay )                 | 25.00                                     |
| Cowpea hay )                           | 20.00                                     |
| Soybean hay )                          | 20.00                                     |
| Alfalfa )                              | 25.00                                     |
| Timothy )                              | 20.00                                     |
| Oat straw )                            | 16.00                                     |
| Corn stover, ton                       | 11.00                                     |

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<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois  
Urbana, Illinois







**VOCATIONAL AGRICULTURE SERVICE**  
University of Illinois · College of Agriculture  
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# VO-AG AIDS

Volume 21, Number 3

October 1962

Issued jointly by

Vocational Agriculture Service, College of Agriculture  
and

Agricultural Education Division, College of Education  
University of Illinois

in Cooperation with

Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

Agricultural Releases for 1962-63. The first (October) shipment of Agricultural Releases was mailed September 28. The October issue is usually the largest in bulk because of the accumulation of materials over the summer. We tried our best to avoid mistakes in assembling these materials, but some are bound to have occurred. If your set is not complete, as can be determined by checking the items listed on the index cards, please let us know and we will send the missing items.

JWM

Foreign Language Statement. A number of teachers have requested additional copies of Dean Gardner's statement entitled "High School Foreign Language Training Not A Requirement of the College of Agriculture at the University of Illinois." They consider this important information to place in the hands of guidance counsellors, administrators, parents, and others. We ran a few extra copies and have been able to take care of some early requests. If you would like additional copies, please notify us before October 15. At that time, we will rerun this statement and fill your request.

JWM

Spotlight. A copy of "Spotlight," a publication issued jointly by the Agricultural Education Club and Alpha Tau Alpha at the University of Illinois was sent to Illinois teachers in the October Agricultural Releases. This publication was based on the activities of these two organizations of prospective teachers of vocational agriculture during the school year 1961-62. You are asked to look for it in your packet of materials and make it available to your students. A few additional copies are available on request.

JWM

Standards for Measures of Efficiency. The supply of the 1961 Standards has been exhausted. In order for us to get new data on prices and crop yields, it is necessary for us to wait until late November or early December to revise the material. However, at that time we will work out the revision and copies will again be included with the January Agricultural Releases.

JHH



Timing Lights. After considerable testing in cooperation with Agricultural Engineering, we have agreed with many of you that the timing lights previously distributed as part of the tractor tune-up kits are not satisfactory for modern tractor ignition systems. Consequently, we have discontinued supplying these lights on a composite order basis. None were sent out, even though requested, in our last composite order period.

We have tested a power type timing light that uses 120 volt AC current and it does give very satisfactory results. It is priced at \$15.50, f. o. b. Urbana. This price is higher than the type formerly distributed, but is still considerably cheaper than the battery-powered type. In many ways, for use in a school shop, it is more convenient to attach than the battery -powered type.

This light is listed on the tear sheet at the end of this issue and can be ordered on a composite order basis. The next period ends October 15.

JWM

Composite Orders . All composite orders for weed and crop slides, concrete kits, and tractor maintenance tools (except as noted above) received before July 1 have been shipped. Orders for small engine tools have not been filled because of difficulty in getting them from our former source of supply. We regret this extreme delay, but the University Purchasing Division just informed us that they have finally been able to place the order. The materials will be shipped just as soon as we receive them.

JWM

Assistance for Adult Classes on Concrete. C. A. Kincaid, Farm Field Engineer, Portland Cement Association, will accept dates for Adult Evening Classes of 15 members or more that can be fitted into his schedule during the winter of 1962-63. Color slide illustrated lectures of about one hour in length are available on the following subjects:

1. Making Quality Concrete
2. Building with Concrete Masonry
3. Tilt-up Farm Building Construction
4. Paving Feeding Floors and Barnyards
5. Heated Concrete Floors for Farrowing Houses
6. Horizontal Silos Above and Below Grade
7. Precast Concrete Rigid Frame Building Construction
8. Confinement Hog Producing Structures

If interested, select any two subjects of most interest to your group and write Mr. Kincaid direct. His address is 2101 Brentwood Drive, Springfield, Illinois.

CAK/JWM

Circular 853, Summary of Illinois Farm Business Records. The report of the Illinois Farm Bureau-Farm Management Service is in the form of a circular this year, with reports from northern and southern Illinois again included under the same cover. A copy has been included in the October Agricultural Release packets. Additional copies of the circular are available on the same basis as other circulars published by the College.

JHH

AIDS, October 1962





Bulletins and Circulars from the College of Agriculture. Since the last issue of the AIDS, we have received 7 new Circulars and 4 new Bulletins.

A single copy of each of the following has been sent to Agricultural Release subscribers in the October mailing.

- Circular 849 - Aerating Farm and Stored Grain
- Circular 850 - Controlling Poison Ivy
- Circular 851 - Milking Machines and Practices on 60 Illinois Dairy Farms
- Circular 852 - Tree Planting for You
- Circular 853 - 1961 Summary of Illinois Farm Business Records
- Circular 854 - Food in Our Society

Copies of the following have not been sent but are available to those who are especially interested.

- Circular 848 - Earn and Learn with a Town and Country Vacation Project
- Bulletin 683 - Effects of Fertilizer Programs on the Economic Choice of Crops in Selected Areas in Illinois
- Bulletin 684 - The Mechanics of Supply-Demand Adjusters for Midwestern Milk Markets
- Bulletin 685 - Characterization of Tomato Varieties and Strains for Constituents of Fruit Quality
- Bulletin 686 - Space Standards for Household Activities

For the information of out-of-state readers wishing to order quantities, the prices are as follows:

|      |     |      |     |
|------|-----|------|-----|
| C849 | 8¢  | C852 | 10¢ |
| C850 | 5¢  | C853 | 10¢ |
| C851 | 10¢ | C854 | 5¢  |

JWM

One-Day Courses in Surveying. The following additional one-day courses have been tentatively scheduled since the last issue of the AIDS. These are to qualify teachers to use loan kits of surveying equipment and may be of particular interest in even-numbered sections. If you are in a section other than that which the course is being given, please notify Vocational Agriculture Service if you wish to attend.

|            |                      |            |
|------------|----------------------|------------|
| October 6  | Charleston, Illinois | 9:00 a. m. |
| October 20 | Mt. Zion, Illinois   | 9:00 a. m. |
| November 3 | Lanark, Illinois     | 9:00 a. m. |

RFE

Forest Tree Application Forms. Through the cooperation of Professor W. F. Bulkley, we are enclosing an application form for Forest Tree Production stock and a listing of trees available for reforestation purposes. These application forms are being sent to vocational agriculture teachers in Illinois because the stock is usually available only to Illinois land owners. The nurseries will accept orders between September 1, 1962, and April 16, 1963. No planting stock will be sold for fall delivery this year from state operated nurseries.

RLC



pH Soil Testing Kits A new portable kit for making pH tests has been shown and discussed at meetings of the even-numbered sections. The interest displayed appears to warrant proceeding with this project at once. The kit consists of a metal carrying case containing 2 racks of 12 vials each, a measuring spoon, 1/4 lb. of pH powder, a plastic squeeze bottle of distilled water, a set of instructions for making the test, and a color chart for reading the results. This amount of powder is sufficient for 100 tests. This quantity was decided upon since the powder should not be stored for more than a year. The kit will sell for \$6.50, f. o. b. Urbana. Refills of the powder will be available at \$2.00 per 1/4 lb.

We have ordered materials sufficient to make up 200 kits. Orders will be filled on a first-come-first served basis until this supply is exhausted. The kits will then be available on a composite order basis using the February 15, July 1, and October 15 deadlines as with other composite order items. If you wish to order a kit, please use the tear sheet at the end of this issue of AIDS.

RLC

\$300.00 College Scholarship. Through the thoughtfulness of Professor Knake, our office has received an announcement of a weed control essay contest for a \$300.00 College scholarship. This award is presented by the North Central Weed Control Conference to the boy or girl who submits the winning essay of approximately 1000 words entitled "How We Control Weeds on Our Farm."

Essays should be sent to Professor Ellery L. Knake, 213 Davenport Hall, University of Illinois, Urbana, Illinois, by October 15, 1962. We realize that this is rather short notice, but perhaps you can call this to the attention of any student or FFA member who would like to try for the scholarship.

RLC

Fertilizer Course Materials. As of the September 15 deadline, 172 teachers have ordered materials used in the one-day courses on Fertilizers. Those items are being rerun at the present time and will be sent out in the near future. We are running a few extra copies of each item and will fill late orders as long as the supply lasts. Then, if a demand is still present, a future deadline for a rerun will be announced.

RLC

Food in Our Society Filmstrip. At the time that orders were taken for the filmstrip at the June Conference, we pointed out that the filmstrip was of the double-frame type. Some teachers, especially those who do not have projectors that will handle the double-frame filmstrips, may wish to mount the material in slides. Materials for mounting these into slides are available at most photographic supply stores at a reasonable cost.

JHH



Circular 854, Food in Our Society. This circular was included in the October Releases. Notice that the title is the same as the double frame filmstrip which teachers had the opportunity to order at the June Conference. You will find that the circular is closely related to the filmstrip. Additional copies of the circular are, of course, available on the same basis as other circulars published by the college.

JHH

Meat and Milk Products Judging Contest. Forty-one schools participated in the Meat and Milk Products Judging Contests at the University of Illinois on Saturday, September 22. The winner of the Meats contest was Virginia. Shaw Terwilliger is the instructor. The Milk Products contest winner was Champaign with Art Twardock as the instructor.

These two teams, along with Taylorville in livestock, Serena in dairy, and Sycamore in poultry, will represent Illinois in their respective divisions in the national contests. The Dairy and Dairy Products contests will be held at Waterloo, Iowa, during the week of October 1, and the Livestock, Poultry, and Meats contests will be held in Kansas City, Missouri, during the week of October 8.


WHW

Illinois Vo-Ag Teachers.

The University of Illinois, College of Agriculture, is always impressed when it totals up its annual statistics on the importance of the vocational agriculture teacher in influencing high school students concerning their careers. Every time we examine this picture, we learn that the vocational agriculture teachers stand next to the parents in importance in this regard.

At this institution we are very grateful to the vocational agriculture teachers for the fine counseling they provide, in addition to that offered by the regularly designated counselors of the secondary schools.

Actually, vocational agriculture teachers have an unusual opportunity to observe for themselves the workers and professional people in the wide variety of agricultural occupations. They can then bring this experience directly to students who are impressed with their knowledge of the practical fields in agriculture.

  
Karl E. Gardner  
Associate Dean



## NEW BOOKS

The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

MODERN FARM POWER. 1962 Promersberger and Bishop. \$6.60. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

The following information was taken from the introduction of this publication:

"Great progress has been made in the field of farm power. Greater advances will be made. Progress extends the need for a thorough understanding of the principles of internal combustion engine and electric motor construction and operation.

"This book has been written to provide such an understanding. It can be used as a text, reference, and guide for high school classes in farm power. It will be equally useful to farmers, mechanics, and laborers who must service and repair engines and motors.

"Students need not have a technical background to use this book, although courses in basic sciences and mathematics will be useful. We trust that Modern Farm Power will help the owners and operators of farm machines to obtain the power, efficiency, and service the manufacturers have built into them."

PROFITABLE SOIL MANAGEMENT. 1961 Knuti, Korpi, and Hide. \$6.16. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

Information concerning this publication was taken from the introductory page:

"Illustrated with more than 225 carefully selected photographs and specially prepared diagrams, Profitable Soil Management contains a full treatment in non technical language of soil science, soil management, and soil and water conservation.





"Contents include (1) an introductory explanation of what soil management is and why it is important; (2) a scientific definition of soil and detailed accounts of its origin, classification, and major parts; (3) an analysis of how plants grow and the effect of environment upon growth; (4) a complete treatment of soil improvement, with sections on essential soil elements, soil reaction, acid soils, alkali soils, fertility tests, commercial fertilizers, manures, drainage, and irrigation; (5) a description of conservation of soil and water in the nation, on the individual farm, and within the cultivated field; (6) a treatment of tillage practices and equipment; and (7) a complete chapter on land judging."

ELEMENTARY TEACHERS GUIDE TO FREE CURRICULUM MATERIALS 1962. \$7.50  
Educators Progress Service, Randolph, Wisconsin.

According to the information sheet that accompanied this publication:

"This Guide is a complete, up-to-date, annotated schedule of selected free maps, bulletins, pamphlets, exhibits, charts, and books. It brings you the compiled information on this vast array of worthwhile FREE educational materials for your immediate use, all at your finger tips, within the covers of a single book.

"This Nineteenth annual edition of Elementary Teachers Guide to Free Curriculum Materials is a professional cyclopedic service, on free learning aids. You will appreciate its value more and more fully as you bring to the boys and girls of your community rich educational experiences they would not enjoy without the GUIDE."

EDUCATORS GUIDE TO FREE SCIENCE MATERIALS. 1962. \$7.25 Educators Progress Service, Randolph, Wisconsin.

This information was taken from the Publisher's Foreword:

"This THIRD edition of the Guide to Free Science Materials is completely revised. It is a service devoted exclusively to free science materials, based on the cross-media approach.

"It is a complete, up-to-date, annotated schedule of selected currently available free audio-visual and other science curricular enrichment aids--bringing you the compiled information on these free educational and informational materials, all at your finger-tips, within the covers of a single book."



EDUCATORS GUIDE TO FREE TAPES, SCRIPTS, AND TRANSCRIPTIONS. 1962.  
\$5.75. Educators Progress Service, Randolph, Wisconsin.

Mr. A. P. Horkheimer, the publisher, includes the following information about this publication:

"This edition is completely new. . . . Every annotation has been rechecked. Every item listed has been reviewed on availability, nature and content of listings, distribution conditions, and educational value. It is important, therefore, that only this current edition be used. The previous edition is obsolete and should be discarded.

"Alert administrators are searching endlessly for effective aids to learning. Today's teachers are constantly acquiring more skill in the use of films, filmstrips, tapes, scripts, transcriptions, and similar audio and visual enrichment materials. Librarians are meeting the challenge to supply new materials. Producers and distributors of free curriculum and library materials recognize the growing demand for more and better items.

"This GUIDE lists 189 free tapes, 130 free scripts, and 83 free transcriptions, a total of 402 free audio aids and scripts. It brings to the boys and girls of our nation rich experiences not otherwise available. Additionally, it brings to the alert educator, audio-visual director, and librarian information and suggestions on the purposes, nature, and uses of tapes, scripts, and transcriptions not to be found in any other single source."





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Technical Education in and for Rural Areas. The major research project of the Agricultural Education Staff for 1962-63 relates to technical education in and for rural areas. The study is being designed to:

1. Identify present and emerging technical occupations in representative rural areas or in representative industries that serve rural areas.
2. Discover whether there are technical occupations especially suitable for persons with rural backgrounds and educational experiences.
3. Determine what technical occupations, if any, are especially suitable for persons with rural backgrounds and educational experiences.
4. Determine employment opportunities for the jobs identified.
5. Determine competencies required for a selected number of these jobs.
6. Determine educational programs needed for these technical occupations.
7. Determine procedures for implementing the development of educational programs needed for these technical occupations.
8. Establish and evaluate pilot educational programs for jobs identified.

The staff for the project will be: Lloyd J. Phipps, A. H. Krebs, Paul Hemp, J. R. Warmbrod, Gerald R. Fuller, Roy Dillon, Keith Fiscus, Kenney Earl Gray, Dwight Heckert, and Glenn Hayes. The research project will consist of several distinct but closely related studies designed to provide the information needed for recommendations regarding curricula for certain workers in agricultural businesses and industries. Local studies by teachers of agriculture are solicited. If you have ideas, let us have them.

LJP



Publications for Sale. The following publications are available for a small charge from Agricultural Education, University of Illinois, 103 Gregory Hall, Urbana, Illinois.

1. Replanning Agricultural Education in Illinois Schools, November, 1958, 52 pp. 60¢.
2. Replanning Agricultural Education in Illinois Schools, Summary Report, September 1958, 23 pp. 25¢.
3. A Source Unit on Common Stock Investments for Farmers, 1957. 10 pp. 15¢.
4. A Source Unit on Transfer of Property by Farm People, 1957, 14 pp. 15 ¢.
5. A Source Unit on the Use of Operating Agreements in the Establishments of a Farm Boy in Farming, 1957, 13 pp. 15¢.
6. A Source Unit on Planning to Increase Farm and Farm Family Earnings, 1957, 10 pp. 15¢.
7. A Source Unit on Money Management for High School Boys Enrolled in Vocational Agriculture, 1957, 13 pp. 15¢.

LJP

Paul Hemp Placement Representative for Agricultural Education Division. Dr. Hemp will be the Division's representative handling placement in agriculture. He will work with the Teacher Placement Office as a consultant to facilitate the effective and efficient placement of teachers of agriculture. The Teacher Placement Office, 200 Gregory Hall, will be responsible for distributing credentials and handling "paper work" relating to placement. Teachers wishing assistance with placement for 1963-64 should attempt to activate their credentials by January, 1963.

LJP

Placement Report. Our records show four schools without teachers of agriculture as of September 10, 1962. Three teachers still have their credentials activated and are presumably available for placement at this time.

PEH

Education E370 - Agricultural Education for First Year Teachers. Thirty-five have expressed a desire to enroll in the graduate course for first-year teachers of vocational agriculture which is offered annually by the Division of Agricultural Education. Each teacher enrolled will attend four small group meetings held throughout the state and be visited in his school by the instructor. Small group meetings will be held at Amboy, Augusta, Centralia, Eldorado, Elmwood, Onarga, and Roodhouse. Instructors for the course are J. R. Warmbrod and Gerald R. Fuller. Any teacher wishing to enroll in the course should contact one of the instructors immediately.

JRW







# I A V A T NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

### Plan Now to Attend

Make your plans now to attend the N. V. A. T. A. in Milwaukee, December 1-6. The Schroeder Hotel will serve as convention headquarters.

The Wisconsin, Iowa, and Nebraska association will be host to a reception for the combined Agriculture Education Divisions on Sunday evening.

The N. V. A. T. A. was "born" in Milwaukee in 1948 and the 1962 or 14th annual convention marks the first return to the place of its "birth." So let's try to have a good representation from Illinois.

### "30-Minute Club Members"

Let's make it 30 in '62 for Illinois in the "30-Minute Club."

Some rules are set up by the N. V. A. T. A. :

1. Must hold a membership in I. A. V. A. T. and the N. V. A. T. A. ;
2. Have article or pictures published in a farm or professional magazine that has national or regional circulation in at least three states;
3. The year of recognition shall be from one N. V. A. T. A. convention to the next.

Thus far, two I. A. V. A. T. members have earned the 30 minute card.

If you have an article published, be sure to notify me so that we can recognize your efforts at the I. A. V. A. T. conference.

### The Chief on Panel

Mr. Damisch will be in Iowa in October at the Iowa Vocational Agriculture Teachers Association conference. He will be on a panel discussing the topic "Adjusting Vo-Ag Programs to Meet Future Trends."

### A Lot of Hay

When you were at the State FFA Convention did you wonder how much hay the International Ballroom would hold? I did, too. Well, some guy figured it out -- 3,000 tons.

AIDS, October 1962



Do We Ag-Teachers Understand the Illinois FFA Foundation? We Should.

Mr. Strubinger, secretary of the state executive committee of the Illinois Foundation, suggests that each sectional chairman arrange a meeting with the sectional sponsoring committee, FFA vice presidents and Vo-Ag teachers to go over the 1962 Foundation program.

This is the least we could do to show we are behind the program that gives us so much as FFA advisors.

December 1 is the deadline set for the completion of the fund raising campaign for the Illinois FFA Foundation. Does your chapter contribute?

Oh! Oh! Did I Goof??

My report on sections with 100% dues paid was wrong in the last issue of the I. A. V. A. T. News-Letter. As of September 13th, the following sections are 100%, 3-4-5-6-7-10-14-17-19-20-22-23 and 25, as reported to me by your Secretary-Treasurer Joe Berger, Charleston, Illinois. Section 11 also 100% (late item).

Fellows, let's get our dues to Joe before the end of October. In most cases there are only 2 or 3 fellows that are holding up the sections from having 100%.

Look at the I. A. V. A. T. Emblem!

Is it time to design a new one? I would certainly appreciate knowing what you think, both pro and con on this problem.

Have you checked your Vo-Ag Service File Box lately?

New Sectional Public Relations Officers

Please send me your names and from what section you were elected. This is the first year for this type of office on the sectional level, so it is now up to you to make it work. We need more exchange of ideas, and I am sure if each of you digs a little. Illinois will have the best informed Ag-Teachers in the Nation.

N. V. A. T. A. Meeting at FFA Convention

There will be a meeting for Vo-Ag teachers attending the National FFA Convention in Kansas City on Thursday, October 11, at 3:45 p. m. in the Grand Ballroom of the Continental Hotel.

President James Hamilton and Executive Secretary James Wall will be in charge of the program.

Valuable door prize will be given.

Meet Those Fun Loving Boys from Section VII

The Vo-Ag teachers of Section VII can now claim to having the first IAVAT State President to publicly race an elephant on a lighted track, competing with such able drivers as Porter Martin of Shabbona, and William McMurtry of Leland. It was thoroughly enjoyed, George, we are sorry that you happened to have the slower elephant.



Section VII was also represented in the Ostrich race when Cowboy Martin defeated his opposition, Bill McMurtry, of Leland, and went on to drive his bird for a full half mile before it was brought under control. Porter lost his hat on the back stretch when his hair began to stand on end. He says that this race was far too thrilling to be repeated. Just ask him sometime what the broom was for.

This was one Mendota Fair that the above Instructors will remember for some time. Hope to see more of you there next year.

#### Top This One

I understand one of your Vo-Ag teachers who was on a fishing trip in Wisconsin this summer suddenly felt his motor go dead. Lifting it out of the water, he noticed a big chunk torn out of one of the blades and about that time he saw one of those whoppers break the water with the piece of prop in his mouth.

#### District IV Director--Melvin J. Nicol

Mel was born at Pontiac, Illinois, March 4, 1909. He graduated from Pontiac Township High School in 1927 and taught a rural school for two years. In 1933, he graduated from Illinois State Normal University. He also holds a M. S. degree from Iowa State University, Ames, and has taken work at the University of Iowa, University of Illinois, and Wisconsin State College, River Falls.

He is presently in his 25th year at Maroa-Forsyth High School. Previously he had taught at Weldon High School and Tri-City High School.

Mel is an Honorary State and American Farmer. He has served previously as a director of I. A. V. A. T. He is a charter member of the Maroa Lions Club, a member of the Methodist Church commission, teaches a class in the Maroa Methodist Church School, is a life member of the high school P. T. A., served two years as president of the local teachers association and one year as treasurer of the County Association. He is a member of the Macon County Farm Bureau and a recipient of the 25 year service award from the Illinois Agricultural Association. He has served as secretary of the Macon County Fair Board.

Nicol is married to the former Zona Zae Smith, who taught at Geneseo before their marriage. They have one son, Sheldon Spencer, who is a junior at Illinois Wesleyan University.

Nicol is graduating his second generation of students at Maroa. Three members of the board of education are former Ag students. Another member was enrolled in the veterans program taught by him. He also served one year as acting unit district superintendent.

Mel lists gardening and sports as hobbies. His greatest thrill comes from seeing former students performing in positions of leadership in the community. He has five American farmers at Maroa and believes that farming and related occupations offer a great future for young men with a farm background.

You probably never realize what close friends you have until you try  
to borrow money from them!



TENTATIVE CONVENTION PROGRAM  
MILWAUKEE, WISCONSIN  
December 1-6, 1962

Saturday, December 1

- 1:00 - 3:00 p. m. - NVATA First General Session
- 3:15 - 5:00 p. m. - NVATA First Regional Meetings
- 6:00 p. m. - NVATA State President's Meeting

Sunday, December 2

- 1:00 - 2:30 p. m. - NVATA Second General Session
- 2:45 - 4:30 p. m. - NVATA Second Regional Meetings
- 4:30 - 6:00 p. m. - Reception - Combined Agr Ed Groups and Wives

Monday, December 3

- 10:00 a. m. to 12:00 noon - NVATA Program of Work Meetings
- 1:30 - 3:45 p. m. - Combined Agricultural Groups
- 4:00 - 5:30 p. m. - Agricultural Executive Council Meeting
- 8:00 p. m. - First AVA General Session

Tuesday, December 4

- 7:00 a. m. - Breakfast - Combined Ag Groups - Sponsored by Wisconsin Council of Agriculture Cooperative
- 8:15 a. m. - Business Meeting - Combined Agricultural Groups
- 9:00 a. m. to 12:00 noon - Agricultural Groups Visit Commercial Exhibits
- 12:15 - 1:45 p. m. - Luncheon - Combined Ag Groups and Wives  
Sponsored by International Harvester
- 2:15 - 4:30 p. m. - Combined Agricultural Groups
- 4:30 - 5:30 p. m. - Editing Managing Board Meeting - Ag Ed Magazine
- 6:00 p. m. - Dinner Meeting - Editing Managing Board
- 8:00 p. m. - Second AVA General Session

Wednesday, December 5

- 7:30 - 11:30 a. m. - NVATA Breakfast and Final Meeting
- 7:30 - 11:30 a. m. - Breakfast meeting and program for State Supervisors
- 7:30 - 11:30 a. m. - Breakfast meeting and program for Teacher Trainers
- 2:00 - 5:00 p. m. - Combined Ag Groups - Theme: "Helping People Find Themselves in a Complex Society"
- 6:00 p. m. - AVA Banquet

Thursday, December 6

- 8:30 - 11:30 a. m. - Combined Ag Groups - "Increasing the Effectiveness of Farm Management"
- 12:15 - 1:45 p. m. - Luncheon-Combined Ag Groups- Sponsored by A & P
- 2:00 - 3:00 p. m. - Combined Agricultural Groups  
Closing business session and summary of program
- 3:00 - 5:00 p. m. - AVA House of Delegates
- 8:00 p. m. - Ships Program and Dance





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TO: Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

Please send the following:

| No. of Items | Price each* | Total Amount | Title  |
|--------------|-------------|--------------|--|
| _____        | 15.50       | _____        | 120 volt AC powered timing light <sup>1/</sup>           |
| _____        | 6.50        | _____        | Portable pH soil testing kit                             |
| _____        | 2.00        | _____        | 1/4 lb. pH powder (refill for kit or for laboratory use) |
| _____        | 7.00        | _____        | 1 lb. pH powder (for laboratory use)                     |

IMPORTANT NOTE: \_\_\_\_\_ Please cancel my request for pH powder  
(Check)  
written at the bottom of my previous order for fertilizer course  
items.

\*all prices are f. o. b. Urbana, Illinois

1/ Composite order item - deadlines: October 15, February 15, July 1

Name \_\_\_\_\_ School \_\_\_\_\_



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# PRICE LIST OF FEEDS<sup>1/</sup>

September 20, 1962

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed                                      | Cost per bu. , cwt. ,<br>or tons in dollars |
|---|---|
| Corn, shelled, bu . . . . .                       | .96   |
| Corn, ground shelled, bu. . . . .                 | 1.06  |
| Corn, ground ear, bu. . . . .                     | 1.06  |
| Oats, bu. . . . .                                 | .58   |
| Oats, ground, bu. . . . .                         | .68   |
| Barley, (feed) bu. . . . .                        | 1.04  |
| Barley, ground or rolled, bu. . . . .             | 1.14  |
| Sorghum, grain cwt. . . . .                       | 1.88  |
| Sorghum, grain, cracked, cwt. . . . .             | 1.98  |
| Garbage and kitchen waste, ton . . . . .          | 8.50  |
| Skim and buttermilk, cwt. . . . .                 | 1.50  |
| Whole milk, Grade B , cwt. . . . .                | 3.00  |
| Corn silage, ton . . . . .                        | 12.00                                       |
| Sorghum, silage, ton . . . . .                    | 11.00                                       |
| Grass silage, ton                                 |   |
| No preservative added . . . . .                   | 8.00  |
| Preserved with 70-100 lb. molasses . . . . .      | 11.00                                       |
| Preserved with 150-200 lb. ground corn . . . . .  | 13.00                                       |
| Clover and mixed hay) . . . . .                   | 25.00                                       |
| Cowpea hay            ) Add \$5 per ton . . . . . | 20.00                                       |
| Soybean hay           ) for baled hay . . . . .   | 20.00                                       |
| Alfalfa                ) and straw . . . . .      | 25.00                                       |
| Timothy hay . . . . .                             | 20.00                                       |
| Corn stover, ton . . . . .                        | 11.00                                       |
| Oat straw . . . . .                               | 18.00                                       |

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<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois  
Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

*University of Illinois · College of Agriculture*

**434 MUMFORD HALL · URBANA, ILLINOIS**

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# VO-AG AIDS

Volume 21, Number 4

November 1962

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Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
In Cooperation with  
Illinois State Board of Vocational Education





# VO-AG SERVICE

## Announcements & Notes

Teaching Aids Available. A number of motion picture films, charts, manuals, and other teaching aids are available to teachers of vocational agriculture from the Allis-Chalmers Manufacturing Company. Those interested in obtaining a list of those and further details may write to:

Mr. Carl Schuster, Market Research Coordinator  
Farm Equipment Division  
Allis-Chalmers Manufacturing Company  
Milwaukee 1, Wisconsin

JWM

Lincoln Arc Welding Award Program. An announcement of the 1962-63 Program of Awards for high school students sponsored by the James F. Lincoln Arc Welding Foundation has been sent to all vocational agriculture instructors by Mr. Charles G. Herbruck, Secretary. Again this year, entries may be submitted by individual students or by groups of three. Entries close on June 10, 1963.

JWM

Two New Books of Plans. Two new publications of the Midwest Plan Service "Home Improvement Plans" and "Poultry Equipment Plans" were included in the November Agricultural Releases. The first contains 49 pages of plans for various items of home and shop equipment including information on hardware and building materials. The second contains 29 pages of plans for poultry equipment items. Those who did not receive Agricultural Releases or who wish additional copies may obtain them from the Department of Agricultural Engineering or from our office at \$1.00 per copy.

JWM

How to Build a Farm Wagon. A copy of a new publication distributed by the Missouri Vocational Agriculture Teachers Association entitled "How to Build a Farm Wagon" is being sent to Agricultural Release subscribers. This publication was prepared by Professor Curtis Weston and two Missouri vocational agriculture instructors. It describes and illustrates in detail the steps in building a 4-wheeled trailer type farm wagon from readily available materials. A few additional copies are available from Vocational Agriculture Service at 35 cents per copy, f o b Urbana.

JWM



Illinois Farm Record Problem and Key -- 1962. The new problem and key for use with the Illinois Farm Record Book have just now become available. In addition to serving as an aid for teaching students how to enter receipts and expenses and make a summary of earnings for the year, the problem also provides for an analysis of the farm business. A bar chart is provided for students to complete in order to compare Farmer Jones' results with those of similar farms. Additional copies of the problem can be obtained at 10 cents per copy. Copies of the key are available at 50 cents each. These items are included on the tear sheet at the back of the AIDS.

JHH

Club Calf Sale. Mr Sherwood Jackson, Seneca, Illinois sent us the following announcement of their Club Calf sale:

"Top club calves from thirty beef breeding herds will be offered at the Fifth Annual Seneca Club Calf Sale. The sale will be held in the FFA Salebarn on the South side of Seneca, Illinois, on Saturday, November 17, at 1:00 p. m. Only 'Top Selects' from each of the consigning herds will be eligible to sell. Forty-five steers will be sold and fifteen registered heifers--Shorthorns, Angus, and Herefords.

"Purchasers of calves in the 1961 Seneca sale have reported showing successes and rate of gain winnings at 1962 fairs throughout Illinois and Indiana. To insure showing winning of their sale calves, breeders who are selling have added outstanding herd sires in an attempt to better the quality of each year's offering.

"Many of the herds consigning to the annual sale originated from good foundation heifers purchased for FFA and 4-H project stock. Most calves offered will be eligible to show in 'Land of Lincoln' classes at the 1963 Illinois State Fair. Pedigree forms will be furnished for each calf sold. Most will weigh from 400 to 500 pounds, and will be broke to lead and tie by sale day.

"Following the sale there will be drawings for show equipment prizes offered by local and area merchants as well as by sale consignors.

"This cooperative sale is sponsored by the Seneca FFA and Illinois cattlemen to provide fancy Angus, Hereford, and Shorthorn calves from purebred herds for 4-H and FFA youths to fit and show in 1963. The sale committee members are: Mark Widman of Ransom, Eugene Seitz of Peru, and Charles Kember of Serena.

"All calves will be ready for inspection in the FFA Salebarn in Seneca, Illinois, after 10:00 a. m., CST, Saturday, November 17, 1962. The sale starts promptly at 1:00 p. m., CST."

SJ/WHW



Subject Matter Units for 1962-63 On October 15, 14 of the 15 new subject matter units were sent to all who had placed advanced orders with us before the deadline of October 1. The units sent were as follows:

| <u>Unit No.</u> | <u>Title</u>  | <u>No. Pages</u> |
|-----------------|---|------------------|
| 1032            | Castrating, Docking, and Dehorning                                    | 8                |
| 1033            | Selecting and Purchasing Hogs   | 8                |
| 1034            | Caring for the Swine Herd During Breeding and Gestation               | 4                |
| 2001a           | Planning the Farm Business for Profit                                 | 4                |
| 2031            | Integration in the Livestock Industry                                 | 8                |
| 2032            | How Prices of Meat Animals are Established                            | 12               |
| 2033            | Using Farm Real Estate Loans  | 8                |
| 2034            | Credit Instruments  | 12               |
| 3013            | Handling and Using Gasoline and L P Gas Safely                        | 8                |
| 3014            | Small Engines--Principles of Operation, Trouble Shooting, and Tune-Up | 16               |
| 4002a           | pH Test for Soil Acidity  | 8                |
| 4003a           | P <sub>1</sub> and P <sub>2</sub> Soil Tests for Phosphorus           | 8                |
| 4006a           | Soil Liming--A Key to Better Farming                                  | 8                |
| 4044            | Storing and Drying Corn   | 12               |

A single copy of each new unit was also included in the November Agriculture Releases. Those wishing to order additional copies of any of these units may use the tear sheet that accompanies this issue of the AIDS.

JWM

Agriculture and the Student We have the following information from Dean Karl Gardner that may be of interest to you and your students.

"The student agricultural journalism organization in the College of Agriculture at the University of Illinois known as SNIB (Student News and Information Bureau) is starting a 15-minute radio program on the subject of "Agriculture and the Student". The first program will be on Saturday, October 13, 1962, from 12:15 to 12:30 p.m. over WILL. Succeeding programs will be at the same time throughout the school year.

"This program is being prepared and put on largely by students in the College and will cover such subjects as the advantages of a college education, the magnitude of the agricultural industry, and opportunities for youth in the field of agriculture, and some 'samples' of students who are following the various curricula in the college."

KEG/JWM

Bred Ewe Sale Cancelled. The bred ewe sale that has been held regularly the second Saturday in December at the University Stock Pavilion will not be held this year. They had insufficient entries by the breeders to make a worth-while sale so the board of directors decided to cancel it for this year. If sufficient entries are available next year, the sale will be held then. If interested, watch for announcement.

USG/WHW



## NEW BOOKS

The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

EDUCATORS GUIDE TO FREE SOCIAL STUDIES MATERIALS. 1962. \$6.75. Educators Progress Service, Randolph, Wisconsin.

The following information was taken from the information sheet accompanying this Guide:

"The **SECOND** annual edition of the Educators Guide to Free Social Studies Materials is a professional, cyclopedic service based on the cross-media approach in teaching. . . It is a complete, up-to-date, annotated schedule of selected currently available free audio-visual and other social studies curriculum enrichment aids -- bringing you the compiled information on these free informational and educational materials, all at your finger-tips, within the covers of a single book.

"This **GUIDE** is a survey report which identifies selected, existing, available, free social studies materials. The wide range of audio-visual and other materials available from industrial, governmental and philanthropic organizations has rendered and continues to render a valuable contribution to the social studies curriculum."

EDUCATORS GUIDE TO FREE GUIDANCE MATERIALS. First Edition, 1962. \$6.50. Educators Progress Service, Randolph, Wisconsin.

The following information is taken from the Publisher's Foreword:

"This is the **FIRST** annual edition of Educators Guide to Free Guidance Materials. It marks the initiation of another new EPS service based on the cross-media approach in teaching. This guide is devoted exclusively to free guidance and counseling resource materials."

"It is apparent that the number of guidance persons has increased about 80% in four short years and that the APGA membership increased about 43% in the past two years. Both are growing at roughly the same amazing rate--about 20% per year."

"As with its many other guides and indexes to free materials of various types and kinds, Educators Progress Service plans to revise this Guide to Free Guidance Materials annually, each new edition to be available early in each school year."







## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Extramural Enrollments. Thirty-five are enrolled in Education 370, Agricultural Education for First-Year Teachers, which is being taught this year by J. Robert Warmbrod and Gerald R. Fuller. Nineteen are enrolled in the course for experienced teachers, Education 477, Field Studies in Agricultural Education, being offered this year in District I with sections for course meetings at Milledgeville and Galva. Ed. 477 is taught by A. H. Krebs. Education 477 will be offered next year, 1963-64, in District 5. Two locations will be selected in the District for course meetings which will be most convenient for the persons enrolled. Ed. 471, Policy and Program Planning in Agricultural Education, is being taught on Monday nights this semester on the campus. Three of the seventeen enrolled are teachers of vocational agriculture who are commuting to the campus for the course. Ed. 474, Supervised Farming Programs, will be offered on Monday nights the second semester. Vocational agriculture teachers within commuting distance should consider the possibility of furthering their graduate program by enrolling in this course the second semester. Vocational agriculture teachers desiring to enroll in Ed. 449, Independent Study, the second semester of 1962-63 should get in touch with us soon.

LJP

Prentice-Hall Scholarship. We have the official application forms, Agricultural Education Scholarship for Graduate Work in Agricultural Education. The scholarships provide \$125 for summer courses. If interested, please get in touch with us.

LJP

Quotes from Planning for Our Future, a speech made by George T. Wilkins, Superintendent of Public Instruction, Illinois, on March 27, 1962. "Two-thirds of our job seekers in Illinois did not finish high school. Seventeen per cent didn't even finish the 8th grade. Only 1.5 per cent had the equivalent of a college education."

"One-half the unemployed were factory workers with little or no occupational skill; 13.3 per cent were service workers; and 3.6 per cent were farm workers."

AHK



Student Teachers for First Semester. Thirteen men are enrolled in Agricultural Education 276 for the first semester, 1962-63. They will begin student teaching November 5, and return to the campus following the Christmas vacation

| Name             | Student Teaching Center | Home High School                 | Years of Vo Ag | Their Agriculture Teacher in H. S.           |
|------------------|-------------------------|----------------------------------|----------------|--|
| James Vetter     | Mahomet                 | Bradley H S.<br>Kampsville H. S. | 1 1/2          | Stanley Sims                                 |
| William R. Cole  | Raymond                 | Brownstown                       | 3              | Max Grinnel                                  |
| James DeYoung    | Mahomet                 | St. Anne                         | 2              | C. Warren Zimmerman<br>John Guthrie          |
| Gerald Decker    | Herscher                | Unity                            | 4              | G. Donovan Coil                              |
| *Dale Fathauer   | Raymond                 | Moweaqua, Maroa<br>Sanford       | 4              | Howard Knight, Melvin<br>Nichol, Robt. Davis |
| Lynn Gosnell     | Lawrenceville           | Mt. Zion                         | 4              | Wm. Bucy                                     |
| *James Mohr      | Herscher                | Lexington                        | 4              | Allie Myers, Richard<br>Kesler, F. T. Busch  |
| *Keith Romack    | Lawrenceville           | Newton                           | 4              | Paul Walker                                  |
| Wayne Sampson    | Central (Clifton)       | Dwight                           | 2              | Fred Van Dyke                                |
| *Rodney Smith    | Charleston              | Auburn                           | 4              | M. V. Heiderscheid                           |
| *Ronald Stickler | Charleston              | Paris                            | 4              | F. J. Smith                                  |
| *Daniel Vogler   | Minonk                  | Northwestern<br>Unit #175        | 4              | Kenneth Stevens                              |
| Dale Walsten     | Central (Clifton)       | Alwood                           | 3              | R. C. Geiger                                 |

\*State Farmers

PEH

Placement Summary. The following is the placement summary for the period September 1, 1961, to September 1, 1962.

|  |    |
|--|----|
| Total number of placements (including multiple placements) | 79 |
| Number of inexperienced and out-of-state teachers placed   | 34 |
| Number of experienced teachers placed                      | 51 |
| Number of out-of-state teachers placed                     | 10 |
| Number of teachers returning to teaching from other work   | 13 |
| Number of returning servicemen placed                      | 3  |
| Number of teachers qualified at the University of Illinois | 19 |
| a. Placed as teachers                                      | 12 |
| b. Graduate school   | 2  |
| c. Military Service  | 3  |
| d. Other work (exchange student)                           | 2  |



|   |    |
|---|----|
| Number of beginning teachers who were qualified at S. I. U.                               | 7  |
| Beginning teachers entering teaching from graduate school                                 | 2  |
| Number of teachers placed who were teaching in Illinois<br>as of September 1, 1961        | 32 |
| Number of teachers placed who were not teaching in Illinois<br>as of September 1, 1961    | 47 |
| Schools without approved teachers of vocational agriculture<br>at the time of this report | 4  |

A comparison of these data and similar data for last year shows at least two major differences. Last year (1960-61) five out-of-state teachers were placed in Illinois, and this year, ten out-of-state teachers were placed. Thirteen teachers placed during the 1961-62 period were returning to teaching from other work. This compares to nine such teachers placed during the 1960-61 year. These two comparisons serve to illustrate the teacher supply situation during the past year

PEH

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The first thing I saw when I stepped out of the plane was a vast, flat landscape stretching to the horizon. The air was thick and warm, and the ground beneath my feet felt like a soft, yielding carpet. In the distance, a range of low mountains or hills could be seen, their peaks softened by the haze. The overall atmosphere was one of quiet solitude and expansive beauty. I took a deep breath, savoring the unfamiliar scents and textures of the new world around me. The silence was not empty, but filled with the subtle sounds of nature: the rustle of leaves, the distant call of a bird, and the gentle hum of insects. It was a moment of pure connection with the earth, a reminder of how small we are in the grand scheme of things. The landscape seemed to breathe with a life of its own, each element contributing to a harmonious and awe-inspiring scene. I felt a sense of wonder and curiosity, knowing that this was just the beginning of my journey in this new land. The horizon line was sharp and clear, marking the boundary between the visible world and the unknown. I stood there for a long time, letting the beauty of the scene wash over me and fill my heart with a sense of peace and possibility. The air around me felt like a warm embrace, and the light filtering through the trees and fields created a magical, ethereal glow. It was a moment that would stay with me forever, a testament to the power of nature to inspire and transform. The landscape was a masterpiece of natural art, each detail carefully crafted and perfectly balanced. I felt a sense of awe and reverence, knowing that I was witnessing something truly special. The beauty of the scene was not just in the individual elements, but in the way they all came together to create a whole that was greater than the sum of its parts. It was a moment of pure magic, a reminder of the incredible power and beauty of the natural world. The landscape was a gift, a gift that I would cherish for the rest of my life. I felt a sense of gratitude and wonder, knowing that I had been blessed with the opportunity to witness such a magnificent scene. The air around me felt like a warm embrace, and the light filtering through the trees and fields created a magical, ethereal glow. It was a moment that would stay with me forever, a testament to the power of nature to inspire and transform. The landscape was a masterpiece of natural art, each detail carefully crafted and perfectly balanced. I felt a sense of awe and reverence, knowing that I was witnessing something truly special. The beauty of the scene was not just in the individual elements, but in the way they all came together to create a whole that was greater than the sum of its parts. It was a moment of pure magic, a reminder of the incredible power and beauty of the natural world. The landscape was a gift, a gift that I would cherish for the rest of my life.

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# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

Help, Joe! Let's help our Treasurer get his books straightened out on this Dues deal-- Most of the sections have done a fine job, but there are just a few left in a few sections as follows: (as of October 1)

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| Section 1 -- 2  | Section 2 -- 1  | Section 8 -- 3  |
| Section 9 -- 1  | Section 12 -- 3 | Section 13 -- 1 |
| Section 14 -- 1 | Section 15 -- 2 | Section 16 -- 2 |
| Section 18 -- 1 | Section 21 -- 2 | Section 22 -- 3 |
| Section 24 -- 2 |                 |                 |

You see, there aren't many, but that's too many for this late in the year.

Would the sectional chairman please take care of this situation.

In Hospital -- Mr. O. C. Holt was recently in the Memorial Hospital, Springfield, Illinois, for ten days, but is now back on the job.

Help! Help! Allan Utech informed me that there is need for articles for the Vocational Agriculture Section of the Illinois Vocational Progress Bulletin.

Let's don't let Industrial Arts, Home Economics, and Trades and Industry fill up our space. It's up to us to keep our Vocation alive. No one will do it for us.

Open Letter to C. E. D. Say, fellows, did you read the fine article that M. D. Mobley, Executive Secretary of A. V. A. had in the September issue of the American Vocational Journal, page 4. If not, take about five minutes out and read it, it's good.

Sectional Chairman Note -- Please send me the name of your Sectional Public Relations Officer, and be sure to notify your district director of his name, also.

Those elected thus far are Section 5, Tom Fitzsimmons, Brimfield; Section 7, Ken Anderson, Ottawa; Section 25, Milton Renand, Metropolis; Section 1, Dean Finch, Forreston, and M. L. Lindsay, Prophetstown. Surely there are more sections who have held their elections?

Thanks fellows-- I certainly thank you fellows who have taken the time to drop me some notes for the News Letter--Keep them coming.





## News & Views

Section 16. Three Ag teachers in Section 16 have their own sons in class. They are David Sistler, Arthur; Oscar Brewer, Atwood; and Charles Doty, Blue Mound, and I'll bet Old dad cracks the whip?

Illinois State Normal University has student teachers at Maroa and Wapella this year. Gary Ellis is at Wapella under Charles Schettler and Marvin Lay is at Maroa under M. J. Nicol.

Lawrence Gregory, Deland-Weldon Ag teacher, knows how to get out of school the first day. He was waving the stork in for a landing. A nice baby girl for the Gregorys.

Section 8. Section 8 for the second year held its section Land Use Contest in August, using an all day plan. The mowing session is a school conducted by S. C. S. officials on a much broader scale than the training and practice station or hole, common to other land use contests.

After lunch, the contest, scoring, and award presentation is conducted as usual.

Advantages: Pleasant weather  
No school time used  
More time for training and more help for it.

Disadvantages: Cuts in on vacation  
Hard to get group for practice

Section 8 Leadership Training School and Banquet was attended by 106 persons, at Minooka, September 12. Mr. William Rushton, representing the Illinois FFA Foundation, was the speaker of the evening program with Richard Stephens, Secretary V. O., and Don Morrissey, Secretary Advisor, aided by State FFA President Gary Ludwig; State Vice-president, Joseph Coyne; and State Secretary and Treasurer, Charles Rayburn, directing the officers training session.

Section 5. Section 5 is proud to have three new teachers in the section this fall. William Lane, Elmwood; Harry Munch, Metamora; and Randall Peterson, Sparland.

Section 5 cooperated with the Chamber of Commerce in Sheridan Village, Peoria, Illinois, on the 4th, 5th, and 6th of October, 1962. They acquired a display from the University of Illinois, presenting a picture of Vocational Agriculture in Illinois.

Seems as if other Vocational Agriculture departments might take a cue from Section 5. I might ask how did it go over? Sure looks to me like we should create more ideas of this kind to put Vocational Agriculture before the public.

A New Wrinkle. The Superintendent of the Rochelle H S. is working on the idea of counting Ag as a Science for the requirements to graduate. If this works out O. K., it might be used in other schools to keep some of our better students in Agriculture.



News and Views Accepted. We will sure appreciate any of your news and views at any time. However, to make it a little easier for all, we have set up a schedule for you to get your news to me--before the 15th--Sectional Public Relations Officers in the various districts, take note!

|          |                 |       |                |
|----------|-----------------|-------|----------------|
| November | -- District III | March | --District II  |
| December | -- District IV  | April | --District III |
| January  | -- District V   | May   | --District IV  |
| February | -- District I   | June  | --District V   |

A Suggestion from Mr. M. D. Mobley, Executive Secretary A. V. A. FUTURE LEGISLATION. The Panel of Consultants on Vocational Education will complete its report around the middle of November. Three additional meetings of the Panel are scheduled. The last one will be held November 8, 9, and 10.

In all likelihood, the panel will recommend major legislation for vocational education. From what I can learn, the members of the Panel--from the very comprehensive studies they have made--are convinced that the economic growth of this country is dependent in large measure on the skill and productivity of the masses of the people, and that a great expansion of vocational and technical education is essential.

You are well aware of the fact that education legislation in recent years has not fared so well in Congress. In the last two years, the only major new education legislation that has been approved was the Manpower Development and Training Act.

In the light of the above, it is most important that vocational teachers and leaders everywhere, along with their many lay friends, should make a very determined effort to acquaint all members of Congress with the great need for expanding vocational and technical education.

The 87th Congress will adjourn within the next few days. You and your co-workers should make every effort while your Senators and Representatives are at home to acquaint them with the great need for expanding vocational and technical education. Unless this groundwork is done, it will be difficult, if not impossible, to get Congress to approve needed additional legislation. The failure of most bills in Congress results from lack of proper groundwork at the grass roots. Members of Congress have a multitude of problems with which to deal. It is next to impossible for them to be fully familiar with all the needs in all the many fields involving Government. The only way to be sure that your message gets over to a member of Congress is to see him in person or to talk to him by telephone. If you write or wire, he may never see your message, even though it is most important for letters to be written to Congressmen in support of a measure. Their clerks read the mail and brief members of Congress on what it contains. This, of course, helps. But the best way to acquaint a member of Congress with the real needs for vocational education is for a knowledgeable group to discuss it with him in person.



A View From One of our Sectional Public Relations Officers. Teaching Vocational Agriculture is more than a job. It is a vocation, a way of life. Not all find it enjoyable, but those who do never leave the field. Nothing else can give them the satisfaction they receive from helping young men to a good start in life.

Important Dates. Attend as many of these conventions as you can, they will be worth attending.

- November 1 -- Last chance to pay dues.
- December 2-6 -- N. V. A. T. A. Convention in Milwaukee
- December 27-29 -- I. A. A. -FFA Conference, Normal.
- February 28 to March 2 -- IVA Convention, Chicago

Summer Ag Intensive Courses Well Attended. This shows that Vo-Ag Instructors are interested in getting the best information they can to take back to their local communities.

| <u>Year</u> | <u>Teachers Attending</u> | <u>Vo-Ag Teachers in State</u> |
|-------------|---------------------------|--------------------------------|
| 1959        | 316                       | 506                            |
| 1960        | 303                       | 493                            |
| 1961        | 334                       | 485                            |
| 1962        | 329                       | 475                            |

District II Director -- Marion F. Welles

Marion was born on a farm in Champaign County, attended a three-year high school at Penfield, and graduated from Rantoul Township High School. He never had vocational agriculture in high school, but raised Poland China hogs as a member of a Pig Club, a forerunner of 4-H.

He attended I. S. N. U. and holds a B. S. and M. S. in vocational agriculture from the University of Illinois. He also took additional work from the University of Illinois, extramural, and from Northern in DeKalb.

He taught a one-room country school near home, junior high at Gifford, and vocational agriculture at Philo before moving to Yorkville, where he is beginning his 15th year

In teaching, he places emphasis on participation, experience, and training rather than on winning. Although he has had no American Farmers, he has had several State Farmers, and numerous Section and District winners. Among his exstudents are three vocational agriculture teachers, two practicing veteranerians, two college teachers, two sales managers related to the agriculture field, and many successful farmers.

Marion married a neighboring farm girl, Wintress Watson. They have one daughter, Ann, who graduated from Northwestern, taught high school speech and is now the wife of an Air Force Captain and is with her husband in Evreux, France.



Congratulations, Mr. Henderson. Congratulations to Mr. Melvin Henderson for receiving the Honorary American Farmer Degree at the National FFA Convention at Kansas City. Mr. Henderson is well deserving of the degree to say the least. An excerpt, read to the audience at the time the degree was awarded, was as follows:

"Public education, vocational agriculture, and the program of the Future Farmers of America have benefited from the insight, the efforts, and the devotion of Professor Henderson during nearly forty years of service. His great desire to improve agricultural education, his ability to chart new approaches to vocational agricultural instruction through the use of better teaching aids, and his record of accomplishments stand unexcelled in his field in the nation."

Mr. Bruce Lourie, Vice President of Deere and Company, Moline also received the degree at the same time for his work as last year's chairman of the FFA Foundation Sponsoring Committee.

Make my words sweet and tender, for I may have to eat them tomorrow!





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TO: Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

Please send the following:

No. of items

- \_\_\_\_\_ How to Build a Farm Wagon @ .35 per copy, f. o. b. Urbana  
\_\_\_\_\_ Illinois Farm Record Book Problem @ .10 per copy, f. o. b. Urbana  
\_\_\_\_\_ Teachers key for Illinois Farm Record Book Problem @ .50 each,  
f. o. b. Urbana  
\_\_\_\_\_ Unit 1032 - Castrating, Docking, and Dehorning - 8 pages  
\_\_\_\_\_ Unit 1033 - Selecting and Purchasing Hogs - 8 pages  
\_\_\_\_\_ Unit 1034 - Caring for the Swine Herd During Breeding and  
Gestation - 4 pages  
\_\_\_\_\_ Unit 2001a - Planning the Farm Business for Profit - 4 pages  
\_\_\_\_\_ Unit 2031 - Integration in the Livestock Industry - 8 pages  
\_\_\_\_\_ Unit 2032 - How Prices of Meat Animals are Established - 12 pages  
\_\_\_\_\_ Unit 2033 - Using Farm Real Estate Loans - 8 pages  
\_\_\_\_\_ Unit 2034 - Credit Instruments - 12 pages  
\_\_\_\_\_ Unit 3013 - Handling and Using Gasoline and L. P. Gas Safely - 8 pages  
\_\_\_\_\_ Unit 3014 - Small Engines--Principles of Operation, Trouble Shooting,  
and Tune-Up - 16 pages  
\_\_\_\_\_ 4002a - pH Test for Soil Acidity - 8 pages  
\_\_\_\_\_ 4003a - P<sub>1</sub> and P<sub>2</sub> Soil Tests for Phosphorus - 8 pages  
\_\_\_\_\_ 4006a - Soil Liming--A Key to Better Farming - 8 pages  
\_\_\_\_\_ 4044 - Storing and Drying Corn - 12 pages  
1 - 49 pages -- 2¢ per page, f. o. b. Urbana  
50 - 999 pages -- 1¢ per page, f. o. b. Urbana  
1,000 or more pages - 3/4¢ per page, f. o. b. Urbana

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Name

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School

AIDS, November 1962



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## PRICE LIST OF FEEDS<sup>1/</sup>

October 19, 1962

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed   | Cost per bu., cwt.,<br>or tons in dollars |
|--|---|
| Corn, shelled, bu. . . . .   | .98                                       |
| Corn, ground shelled, bu. . . . .  | 1.08                                      |
| Corn, ground ear, bu. . . . .  | 1.08                                      |
| Oats, bu. . . . .  | .58                                       |
| Oats, ground bu. . . . .   | .68                                       |
| Barley, (feed) bu. . . . .   | 1.04                                      |
| Barley, ground or rolled, bu. . . . .                                      | 1.14                                      |
| Sorghum, grain cwt. . . . .  | 1.88                                      |
| Sorghum, grain, cracked, cwt. . . . .                                      | 1.98                                      |
| Garbage and kitchen waste, ton . . . . .                                   | 8.50                                      |
| Skim and buttermilk, cwt. . . . .  | 1.50                                      |
| Whole milk, Grade B., cwt. . . . .   | 3.00                                      |
| Corn silage, ton . . . . .   | 12.00                                     |
| Sorghum silage, ton . . . . .  | 11.00                                     |
| Grass silage, ton  |   |
| No preservative added . . . . .  | 8.00                                      |
| Preserved with 70-100 lb. molasses. . . . .                                | 11.00                                     |
| Preserved with 150-200 lb. ground corn. . . . .                            | 13.00                                     |
| Clover and mixed hay ) . . . . .   | 25.00                                     |
| Cowpea hay            ) Prices quoted are for baled hay, per ton . . . . . | 20.00                                     |
| Soybean hay           ) . . . . .  | 20.00                                     |
| Alfalfa                ) Loose hay, \$5 less per ton . . . . .             | 25.00                                     |
| Timothy               ) . . . . .  | 20.00                                     |
| Oat straw             ) . . . . .  | 16.00                                     |
| Corn stover, ton. . . . .  | 11.00                                     |

<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois  
Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

University of Illinois - College of Agriculture

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# VO-AG AIDS

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Volume 21, Number 5  
December 1962

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education





# VO-AG SERVICE

## Announcements & Notes

pH Soil Testing Kits Orders are still being accepted for pH soil testing kits. The kit consists of a 1/4 lb. of pH powder, a plastic squeeze bottle for distilled water, a set of instructions for making the test, and a color chart for reading the results. This amount of powder is sufficient for 100 tests. This quantity was decided upon since the powder should not be stored for more than a year. The kit will sell for \$6.50, f o b , Urbana. Refills of the powder will be available at \$2.00 per 1/4 lb.

We have ordered materials sufficient to make up 200 kits. Orders will be filled on a first-come - first-serve basis until this supply is exhausted. If you wish to order a kit, please use the tear sheet at the end of this issue of the AIDS.

RC

Fertilizer Course Materials All the composite orders for the short course fertilizer teaching materials have been distributed. We still have a limited supply remaining which can be distributed on request as long as the supply lasts. Then, if a demand is still present, a future deadline for a rerun will be announced. If you wish to order, please use the tear sheet at the end of this issue of the AIDS.

RC

pH Soil Testing Kit Our attention has been called to the fact that some of the bottles of distilled water leaked during shipment. We feel that they will be all right for ordinary handling, but apparently they won't stand shipment. Consequently, we are now sending out kits with the bottles unfilled. Unfortunately, about 90 kits were sent before we discovered this problem. Please check your kit carefully, and if you find serious water damage, let us know and we will replace free any damaged items.

RC

Quiz for Fertilizer Short Course Material Mr. I. L. Brakensiek, vocational agriculture instructor at Quincy, has developed a series of quick-scoring tests based on the "Fertilizer Short Course Material" used this past summer. Single copies are being sent to Agricultural Release subscribers and 20 copies of each test were included free with each fertilizer teaching material order. We have no clear cut plans for rerunning these tests. A limited number of copies remain which can be distributed at a nominal cost if requested. Teachers are also free to duplicate these materials.

JWM

Some Suggested Topics and References for an Adult Course in Farm Planning and Credit This item was included with the December Ag. Releases. A list of meeting topics are suggested along with some reference materials on those subjects. The item was adapted from the Conference short course held the past two years on the subject of Teaching Materials in Farm Planning and the Use of Credit. We have about 50 extra copies available.

JHH

AIDS, December 1962



1962 National Electrical Code We have just received copies of the 1962 revision of the National Electrical Code and will start sending them out in the electrical loan boxes. If teachers who have loan boxes wish to receive copies to use with the boxes, we will send them out on request. If you wish a copy for your department library, they are available from the National Board of Fire Underwriters, 222 West Adams Street, Chicago 6, Illinois. We have not confirmed the price, but believe it is still 10 cents per copy.

JWM

Sheep Dipping Vats Dr. U. S. Garrigus, head of Sheep Division, University of Illinois, informs us that Dr. Roy Thompson, Superintendent of the Division of Livestock Industry, Springfield, would be willing to help any school or FFA Chapter that would wish to build and operate a portable sheep dipping tank. He said, "It can serve as a shop project to build the portable tank and as a community service and income producing project when it is in operation." Dr. Thompson's office has plans for building the portable tank and advice on dipping that he would send to interested parties. If interested, contact Dr. Thompson at the Department of Agriculture Office, State Fair Grounds, Springfield, Illinois.

USG/WHW

Evening School Speakers. Mr. C. J. Smith, Director of Public Relations, National Stock Yards, has called our attention to a speakers bureau that they operate. There are 20 men in the bureau that are capable of talking on almost any topic related to agriculture. Their major interests, however, are in management, production, and marketing of livestock. They will come as individual speakers or as panel discussion groups. They will have a motion picture on livestock marketing available about January 1, 1963.

This group will go out about 100 miles from East St. Louis and talk at evening meetings primarily, but could attend a few afternoon sessions. They desire at least a week to 10 days notice of a meeting.

If interested, contact Mr. C. J. Smith, Director of Public Relations, National Stock Yards Company, National Stock Yards, Illinois.

GDC/WHW

Soil Samples of Known pH. Many teachers indicated at the bottom of their order form for fertilizer teaching material a desire for soil samples of known pH. These samples could be used as a demonstration, as a check on their results, or as a color standard to check other soil tests. These samples are not currently available, but plans are being made to prepare them as soon as possible. Please watch the AIDS for further announcement.

RC

Changes in Prices of Record Books and Lease Forms. The Illinois Farm Record Book, Part I, will now be priced at 25 cents per copy instead of 40 cents. The price of part II remains the same at 25 cents per copy. These prices are f. o. b., Urbana. The lease forms (crop-share cash, cash, livestock-share, and labor-share) formerly sold at 10 cents each but now carry no charge, except postage.

JHH

AIDS, December 1962



## NEW BOOKS

The following has been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

MARKETING FARM PRODUCTS. Geoffrey S. Shepherd. 1962. \$7.50. Iowa State University Press, Press Building, Ames, Iowa.

The following information was taken from the preface:

"This fourth edition incorporates a number of new features to keep it abreast of the changing agricultural marketing scene.

"The significant developments in the structure of the marketing system in recent years are outlined, with special sections on the meat-packing industry and the poultry and egg industry. A new treatment of seasonal price movements is given, with reasons for changes in recent years. Additional analyses of the effects of future trading are included. . . The fundamental economic principles remain unchanged, but the mechanisms through which they exert their power have been drastically altered--much as in the field of locomotive engineering where the diesel has replaced the old steam 'iron horse.' It is an exhilarating exercise to keep abreast of these changes and the new problems that they continuously create."





## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Why I Plan to Teach Vocational Agriculture Jim Manthe University of Illinois student in the College of Agriculture, prepared the following short statement for Alpha Tau Alpha. You will be interested in this well written statement.

"I believe in the future of farming and I want to spend my life working in the field of agriculture. Since I have a deep interest in people, I decided that teaching vocational agriculture was a great opportunity for me.

"I have a great interest in vocational agriculture which came about by the rewarding experiences that I encountered as a vocational agriculture student. As I advanced in high school my knowledge of agriculture increased as well as my supervised farming program. During my junior and senior years in high school I farmed an 80 acre farm owned by an elderly man who was unable to farm. This was a great opportunity for me. I was able to operate the farm on my own and apply many of the principles that I learned in my agriculture courses. I only hope that as a vocational agriculture teacher that I will be able to guide other students so that they will be able to share many of the experiences that I had as a vocational agriculture pupil.

"To me a vocational agriculture teacher is a very important person for he is guiding the agriculture leaders of tomorrow. Modern agriculture is becoming more specialized and the role of the vocational agriculture teacher will become more important."

LJP

Advanced Certificate in Education Degree. Did you know that teachers of vocational agriculture with a Master's degree are eligible for admittance at the University of Illinois to the program leading to an Advanced Certificate in Education Degree? If you are interested in improving your position in the education field, such as preparing yourself further for teaching agriculture at the junior college level, you should consider the Advanced Certificate in Education. If you desire more information discuss the Degree with an Agricultural Education Division staff member.

LJP





Education E370, Agricultural Education For First Year Teachers. Thirty-seven teachers are enrolled in the first-year teachers course for 1962-63. Eleven of these teachers received their teacher education at institutions other than the University of Illinois or Southern Illinois University. These out-of-state teachers come from Arkansas, Kentucky, Mississippi, Missouri, Oklahoma, Indiana, and Wisconsin. Of the 26 Illinois trained teachers enrolled in the course, five received their undergraduate or graduate training at Southern Illinois University and 21 are graduates of the University of Illinois. Gerald Fuller and J. R. Warmbrod are the instructors for the course. The teachers enrolled in the course are listed below.

| <u>Teacher</u>      | <u>School Where Employed</u> | <u>Teacher Training Institution</u> |
|---------------------|------------------------------|-------------------------------------|
| R Gary Anderson     | Tamms                        | Oklahoma State University           |
| James L Becker      | Minier                       | University of Illinois              |
| Wayne H Blunier     | Bellflower                   | University of Illinois              |
| John R Boyer        | Cathn                        | University of Illinois              |
| George F Brock      | Brussels                     | University of Arkansas              |
| Grover C Burkett    | Louisville                   | Southern Illinois University        |
| Gary C Cooper       | Beecher                      | Purdue University                   |
| Kenneth D Eike      | Cornell                      | University of Illinois              |
| Norman E Erickson   | Malta                        | Wisconsin State College             |
| Daniel J Gruchy     | Ashley                       | Mississippi State University        |
| Ken L Harp          | Augusta                      | University of Illinois              |
| Robert L Heavner    | Valmeyer                     | University of Illinois              |
| C T Henson          | Roodhouse                    | University of Kentucky              |
| Dale E Humbert      | Easton                       | University of Illinois              |
| M Neil Jolliff      | Okawville                    | Southern Illinois University        |
| D William Lane, Jr. | Elmwood                      | University of Illinois              |
| J. Robert Lee       | Grayville                    | University of Illinois              |
| Lonial R Lovellette | Norris City                  | University of Illinois              |
| Cecil E McGrew      | Plymouth                     | University of Illinois              |
| H Franklin Munch    | Metamora                     | University of Illinois              |
| Randall J Peterson  | Sparland                     | University of Illinois              |
| Paul F. Rath        | Amboy                        | University of Illinois              |
| Ray B Ridder        | Barry                        | University of Illinois              |
| Donald E Rodgers    | Meredosia                    | Southern Illinois University        |



| <u>Teacher</u>       | <u>School Where Employed</u> | <u>Teacher Training Institution</u> |
|----------------------|------------------------------|-------------------------------------|
| Richard Scott        | Thebes                       | Oklahoma State University           |
| Dale T. Smith        | Erie                         | University of Illinois              |
| John T. Smith        | Chatsworth                   | University of Illinois              |
| John T. Smith        | Georgetown                   | University of Illinois              |
| Arley Van Doren      | Yates City                   | Southern Illinois University        |
| Charles W. Washburn  | Dieterich                    | University of Illinois              |
| Gary C. Watt         | Kempton                      | University of Illinois              |
| Bernard Weigmann     | Teutopolis                   | Southern Illinois University        |
| Thomas R. Wiles      | Chatham                      | University of Illinois              |
| Charles H. Williams  | Vandalia                     | University of Missouri              |
| Robert L. Williamson | Bowen                        | University of Illinois              |
| Shelby E. Willis     | Onarga                       | Purdue University                   |
| Robert O. Wolf       | Patoka                       | University of Missouri              |

JRW

Placement Situation. Seven men will be qualified by the University of Illinois at the end of the first semester 1962-63. It is too early to have vacancies reported for 1963-64, but a normal number is anticipated. The number of University of Illinois students who will be qualified to teach vocational agriculture during the current academic year is 26. Last year 19 men were qualified at the University of Illinois. Even though this year's class is larger it is not nearly large enough to supply the anticipated needs.

PEH

Graduate Courses. Ed. 474, Supervised Farming Programs in Vocational Agriculture, will be taught on campus the second semester of 1962-63, 7-9 p. m. each Monday. Teachers within driving distance are invited to enroll. A carload of teachers from one area will reduce costs. Ed. 449, Independent Study, is also available to teachers of vocational agriculture who have completed three units of work in education. If you are interested in enrolling in Ed. 449 the second semester of 1962-63, please get in touch with us soon. Enrollment in this course necessitates a plan outlining what you intend to do. This plan must be submitted and approved prior to enrollment. Teachers enrolling in Ed. 449 the second semester may take until the end of the 1963 summer session to finish the work of the course.

LJP

AIDS, December 1962



College of Agriculture Freshmen Electing the Major for Teachers of Vocational Agriculture. Seventeen freshmen entering the College of Agriculture for the Fall Semester 1962-63 have indicated a desire to become teachers of vocational agriculture. This is the largest number of incoming freshmen in recent years to elect vocational agriculture as their major field of study at the time of initial registration. The teachers of vocational agriculture of these students are to be congratulated for the part they played in recruiting these young men for the teaching profession. The seventeen freshmen students enrolling in the vocational agriculture curriculum are as follows

| <u>Student</u>     | <u>High School</u>               | <u>Number of Years<br/>of Vo-Ag</u> | <u>High School Teacher</u>  |
|--------------------|----------------------------------|-------------------------------------|-----------------------------|
| Roger Allaman      | Roseville                        | 4                                   | B A. Tomlin                 |
| Carl Awe           | Lincoln                          | 4                                   | Robert Dorch                |
| Roy Allen Bailey   | Effingham                        | 4                                   | Carl Gowler                 |
| Donald Crane       | Beason                           | 3                                   | Dorr Simer                  |
| Ronald Greenfield  | Amboy                            | 4                                   | Russell Alderson            |
| Benjamin A Greiner | Henry                            | 4                                   | Max Foster                  |
| Stanley Grubb      | Buda                             | 4                                   | Lee Ourth                   |
| Dennis Harper      | Spoon River Valley<br>(Fairview) | 3                                   | Charles L Harn              |
| Steve Heggemier    | Kirkland                         | 3                                   | John M Olson                |
| John Hillison      | Amboy                            | 4                                   | Russell Alderson            |
| Allen Hornbrook    | Young America<br>(Metcalf)       | 4                                   | Banta Bundy                 |
| John Huston        | Roseville                        | 4                                   | B A Tomlin                  |
| Albert Lenkaitis   | Granville                        | 4                                   | A Allen Tuntland            |
| Samuel Ochs        | Olney                            | 4                                   | A Lee Shafer<br>L. T. Clark |
| Maurice Patterson  | Durand                           | 4                                   | Harold Vale                 |
| Larry Ruhl         | Liberty                          | 4                                   | James Balzer                |
| Wallace Wax        | Newman                           | 4                                   | James Rohl                  |

JRW



High School Seniors Interested in Teaching Agriculture. Are your vocational agriculture pupils and their parents aware of the opportunities available to persons who prepare to teach vocational agriculture? Do they know that there is a shortage of teachers of vocational agriculture and that the shortage nationwide is likely to become more serious? Do they know that preparing to teach vocational agriculture is not a "blind alley" and that it opens many more doors than it closes. We have a ditto reporting the findings of a study of the occupational opportunities open to persons who have prepared to teach or have taught vocational agriculture in Illinois. If you want a copy of this ditto, please request it.

Teachers of vocational agriculture in Illinois responded well to our request last year for the names of their high school seniors who were interested in teaching agriculture. We believe that the increase this year of freshmen electing the vocational agriculture curriculum is a direct result of the efforts of teachers of vocational agriculture. If you have not yet surveyed your students regarding the opportunities in teaching vocational agriculture, we would appreciate your scheduling this activity soon. Do not limit your survey to seniors. Let the underclass pupils start thinking about the possibility of teaching agriculture.

If you have interested students, fill out the following form and mail it to us.

LJP

-----

Write the name (or names) and addresses of senior students you would recommend as prospective teachers of vocational agriculture and send the information to the Division of Agricultural Education, 103 Gregory Hall, University of Illinois, Urbana, Illinois.

| <u>Names of Seniors</u> | <u>Addresses</u> |
|-------------------------|------------------|
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |

Signed \_\_\_\_\_  
(Vo-Ag teacher)

Address \_\_\_\_\_







# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

Atta Boy! Congratulations, fellows for representing Illinois so well at Waterloo and Kansas City

- Bob Jurgens & Clarence Tipton - Dairy Cattle - Gold Emblem team
- J. A. Twardock - Dairy Products - Gold Emblem team
- William Powell & Albert Schutte - Livestock - Gold Emblem team
- Robert Howey - Poultry - Silver Emblem team
- Shaw Terwilliger - Meats - Gold Emblem team

No doubt you are proud of your boys and justly so

Also, a congratulation is due the FFA Advisors who rated national recognition in the FFA Chapter Program of Work Contest

| <u>Advisor</u>                  | <u>Chapter</u>    | <u>Rating</u> |
|---------------------------------|-------------------|---------------|
| M. L. Boudreau                  | Central (Clifton) | Gold          |
| James L. Guilinger              | Williamsfield     | Gold          |
| W. C. Brokaw and<br>Paul Chaney | Geneseo           | Silver        |
| Robert Howey                    | Sycamore          | Bronze        |

## Highlights of the National FFA Convention

1. Kenny McMillan's being elected National FFA President
2. Recognition given Mr. Melvin Henderson by the National FFA
3. Coffee hour put on by the N. V. A. T. A. Officers -- Illinois wasn't lucky enough to receive one of the door prizes
4. The Recognition Dinner for Vocational Agriculture Teachers hosted by the Ford Motor Company

One thing I have been wondering about, and no doubt many others who attended the Ford Dinner also would like to know, is how much was collected for the fine Kansas State College Varsity Glee Club

## Dates to Remember.

December 1 - 6 N. V. A. T. A. and A. V. A. Convention, Milwaukee, Wisconsin

No doubt your little green books are full of other dates also, but keep a date open and attend the N. V. A. T. A. Convention in Milwaukee. Check the Agriculture Education Division Program on page 35 of the October issue of American Vocational Journal

AIDS, December 1962



News & Views from District III From Mr. Clanahan a layman who is on the FFA Foundation sponsoring committee in District III.

1912 - 1962

"Most of what you will read, if you read this, you could probably say better yourself, but here are some of the things a man at 76 years, over 50 of which have been dealing with people, feels are important.

"First, Don't waste time doing something from which you can get no personal pleasure in doing

"Second, If you want to be happy, you must be interested in other people, always remembering that you cannot prosper unless the other fellow does also

"Third, In all life we get out of activities in direct proportion to what we put in in interest and ability -- this is true both of satisfaction and financial returns

"Those are general rules of life Here are a few for teachers of Agriculture-- note capitol used for that word -- which from 4 years' actual experience teaching, 10 years of extension work, 28 years of being in close touch with many agriculture departments in both Illinois and Missouri -- the writer feels are basic to a successful career as a teacher

"First he must have or get practical knowledge of basic farm practices and economics He must constantly study agriculture problems The man who teaches 'from the book' alone will never be what he should be to his community nor himself

"A few suggestions to a beginning teacher -- First study the community as a whole -- what are its interests -- its needs. Second, get acquainted with your newspaperman -- learn how he likes his copy prepared Third, cultivate the successful older as well as the younger farmers, especially in the likes in which you are least prepared Let them know you want and need their help and ask them to come talk to your boys. Fourth, plan your work, and work your plan It will have to be changed occasionally, but follow your basic plan. Fifth, always have the same time available for studying an exam as was allotted to the taking there of, allow free discussion A quiz is just as much a test of the teacher as it is of the pupil

"Education, according to my father, comes from two Latin roots-- ex and duco -- meaning to lead out of. It is not truly passing information from one to others, but in helping of the one to learn facts and how to analyze them

"With best wishes to you one and all, may you carry on for others that you may serve yourself best."

R. A. Clanahan -- October 1962

Our many thanks are extended to Mr. Clanahan for giving us some of his thoughts and ideals of life.

Hear Ye! Hear Ye! Start getting your gadgets organized for the I. A. V. A. T. Gadget Display at the June Conference.

No doubt there are many of you who have some gadget you use in your shop or classroom that makes your job easier, room more attractive, etc.

AIDS, December 1962



Note -- I. A. V. A. T. Committee Chairmen Vice President Bill Martinie, Minonk, Illinois, will be asking for a report on the year's activities of your committee in March or April so that he can get the reports organized to be handed out at June Conference.

.....

Following is a suggestive letter prepared by N. V. A. T. A. President James Hamilton, that might be helpful in answering the C. E. D. report or articles critical of Vocational Agriculture. should either appear in local papers

Dear Editor

I note with regret your recent article that implies that one-half of the vocational agriculture schools are no longer needed or leaves the impression that there are too many farm youth studying vocational agriculture. You further state that vocational agriculture is training too many farmers and that too much is being spent on vocational agriculture because the number of farmers are decreasing. To me that is like saying we should stop training superintendents because the number of school districts are declining.

May I offer the following points to support my belief that vocational agriculture is still needed in our high schools

1. Comprehensive studies have shown that vocational agriculture departments have never trained enough farmers to fill the need for farmer replacements. If vocational agriculture did train more farmers than was needed and vocational agriculture was not recognized for its leadership training then, you might have a point.
2. Leaders of the nation's farm organizations have frequently stated that the real strength of vocational agriculture and one of its most important assets is the leadership training given. Vocational agriculture now as in the past is training our future agriculture leaders.
3. Vocational agriculture training helps develop financial resources making it possible to pay for college expense, start a boy in another business of his choice or to start farming. This training in handling funds helps develop economic stability in our future generation.
4. Vocational agriculture trains leaders with more knowledge of the farm problem. It helps guide talented farm youth toward Agricultural Colleges and advanced training.
5. Vocational agriculture in high school can help keep agriculture's share of top leadership interested in agriculture. Without vocational agriculture in high school we would permanently lose many of our most talented potential leaders from agriculture.
6. Studies have shown that vocational agriculture helps college-bound students excel in college. Vocational agriculture students that take the college preparatory courses do better in Agriculture Colleges than non-vocational agriculture students and equally as well in other colleges.



7. As farms grow in size more and better training is required to farm successfully. Our national welfare depends upon a sound agriculture. While but a small percent of Agricultural College graduates may return to the farm it should be remembered that Agricultural Colleges are not only training farmers but also the future leaders in agriculture.
8. Vocational agriculture gives leadership training to assist farm boys in any occupation they may choose. It is generally considered to be the best training available for occupations related to agriculture.

Your consideration of these points may help you see the need for a continued and strong program of Vocational Agriculture -- one that needs the continued support of those that can see the need for a sound agriculture.

Sincerely yours,

What about the C. E. D. Reports? We are definitely in a rather significant Agricultural Education era. What can teachers of vocational agriculture do? What should we do? Can we do anything? Should we do anything?

It seems to me if we want to do something for ourselves it's about time we should definitely make it known how we stand on the vocational agriculture program by enlisting the help of our state legislators and also the national legislators.

Failure to defend our program to the legislators is going to be seized upon by supporters of the C. E. D. report as evidence of indifference to our own program.

It might be well to use the letter prepared by our N. V. A. T. A. President James Hamilton, that is in this I. A. V. A. T. Newsletter.

It's Embarrassing! Would the fellows who change jobs during the year please notify the I. A. V. A. T. Secretary-Treasurer and the I. A. V. A. T. President.

No doubt it is embarrassing to you and also to us when we contact you about paying your dues to find out that you have already paid but have changed schools in the meantime. Let me assure you that the mix up on dues has not been intentional.

I believe the sectional chairmen could help us out in this problem if they would notify us of any changes that come up in their sections, also the state supervisors should keep us informed.

Pay Them Now, Avoid the Rush. Dues! Yep we need a few more. As of November 5 we have 15 who have not paid their dues. Please, fellows, take care of this. . . .

|                |                 |                 |
|----------------|-----------------|-----------------|
| Section 3 -- 1 | Section 12 -- 1 | Section 22 -- 3 |
| Section 6 -- 1 | Section 14 -- 1 | Section 24 -- 1 |
| Section 7 -- 2 | Section 16 -- 1 | Section 25 -- 2 |
| Section 8 -- 1 | Section 17 -- 1 |                 |

Fellows, if we have made a mistake, please notify us, and we will try to get it straightened out.

In the next I. A. V. A. T. Newsletter, let's report Illinois as 100% dues paid.

Thanks for your cooperation.

AIDS, December 1962





Facts You Should Know Much is being said about the frustrations in agriculture, much of it confusing. Conferences, committees, speakers, and writers, some with a lack of basic information, have focused on the situation, classified farming as a dying occupation and proposed reductions in vocational education in agriculture. The sheer complexity of the situation in agriculture demands more and better agricultural education, not less of it.

Following are some facts that may be helpful to teachers of vocational agriculture and others in answering critics of the vocational agriculture program

1. Although vocational education in agriculture is provided generally over the country, there have never been enough young men entering farming after completing high school courses in vocational agriculture to replace the farm operators who leave farming. A high percentage of those who have been enrolled in high school courses in vocational agriculture have not received the education in agriculture beyond the high school required in a rapidly changing agricultural situation.
2. It is estimated that 40 per cent of the gainfully employed in the United States are engaged in occupations directly associated with agriculture. A large part of the costs of agricultural products is paid to those who serve consumers and farmers in growing, processing, transporting, and merchandising these products.
3. Although states and communities are required to provide only one dollar for each dollar of national funds, they are now supplying approximately four dollars for each national dollar. In addition, they are furnishing, from their own funds, all buildings, equipment and teaching aids used in agricultural education.
4. Agriculture is a major sector of our economy upon which all are dependent. It can be encouraged or destroyed by those outside agriculture. No other industry is more affected by public policy which all citizens share in making. All are consumers of agricultural products. Thousands of communities have agriculture as their economic base. Even our metropolitan areas have an important stake in agriculture. Large numbers of people who do not live on farms in rural communities have interests agricultural in nature.
5. The percentage of former students of high school vocational agriculture who attend college is much higher than the percentage of farm youth generally who attend.
6. It is sometimes conceived that we once had the right amount of agricultural education in our schools and that, with a decline in the percentage of the population engaged in farming, the amount can be reduced. Actually, we have only begun to develop agricultural education as a function of the public schools. Many who should receive it have not been reached at all. Our provisions for agricultural education beyond the high school have always been most inadequate. It could not have been expected that a full and complete program of agricultural education could be developed in a few decades. Many schools did not begin teaching agriculture until the last decade. A third of the agricultural communities of the nation do not yet provide it. Little agricultural education has been made available in communities that are not primarily agricultural.



- 7 With 3 million more people to feed each year, 8,000 more each day that dawn, farming is not on the way out.
- 8 In 1960 there were approximately 945,000 farm boys, age 14-17, in the United States and 467,000 of them were enrolled in vocational agriculture. Approximately 70,000 of them graduate each year and 25,000 enter farming. The estimated, combined, annual replacement opportunities as operators and workers totals 93,000.
- 9 Vocational agriculture graduates who leave the farm and enter other occupations find their up-to-date knowledge of agriculture, their training in problem solving, proficiency in production and management, practical experience in farming, and their leadership ability to be definite assets.
- 10 It is not a question of too much vocational agriculture. Instead, it is too little of other phases of vocational education--as well as too little of vocational agriculture in many communities and states.
- 11 In the future, we may need fewer farmers on a percentage basis than in the past but they must possess more knowledge and skills than their predecessors. Farming is more complicated than ever before and this calls for the continuation of sound effective programs of vocational education in agriculture.
- 12 "There were 3,005 graduates of high school vocational agriculture classes in Minnesota in 1961. We know from numerous studies that approximately fifty per cent go into farming, which in this instance will be 1,500. Studies show that there are approximately 4,000 farming opportunities each year in our state. This is to replace those who retire, are deceased, or who leave farming for other reasons. This means that presently considerably less than one-half of farming opportunities are being filled with vocational agriculture graduates. Agriculture will continue as a major segment of our economy, if our nation is to remain strong and it must have its fair share of capable young men. The time has come for us to remind our farm youth that there are opportunities in agriculture as well as in other fields." (Statement by Mr. George Cochran, State Supervisor, Agricultural Education, Minnesota, before the House Agricultural Committee, August 10, 1962.)

NOTE Many of the above facts were excerpts from other publications and credit is hereby given to the following:

- 1 Facts You Should Know about Vocational Agricultural Education in Public Schools - American Vocational Association.
- 2 The Need for Vocational Education in Agriculture - Duane M. Nielsen, Specialist in Teacher Training and Research, U. S. Office of Education.
- 3 N. V. A. T. A. News & Views - October 1962.

Agriculture Well Represented. Vocational Agriculture was well taken care of by our Chief Herbert R. Damisch at the A. V. A. Resolutions-Program of Work Committee in Washington, D. C. October 25-26. Mr. Damisch represented the Agriculture Education division and acted as chairman of the A. V. A. Resolutions Committee.

AIDS, December 1962



Kenny McMillan We Salute You I believe every vocational agriculture teacher in the state congratulates Kenny on being elected the National FFA President for 1962-1963 They could not have elected a better man

By the grapevine we understand preliminary plans are being developed for a Kenny McMillan recognition dinner in Washington, D. C. and that Bushnell Illinois, is planning to roll out the Red Carpet for Kenny in the near future

Fellows, would you check with your principal on the picture and article about Kenny that he received

How about having him place it on the school bulletin board so that all the students can see what kind of a person vocational agriculture has helped

The condition a man is in can best be judged from  
what he takes two at a time, stairs or  
pills

A VERY MERRY CHRISTMAS and HAPPY NEW YEAR TO YOU ALL!



-----  
TO Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

Please send the following items

| <u>No. of Copies</u> | <u>Price each*</u> | <u>Total Amount</u> |   |
|----------------------|--------------------|---------------------|---|
| _____                | 3¢                 | _____               | Safe Fertilizer Application, 6 pages                        |
| _____                | 4¢                 | _____               | Using Phosphorus Fertilizer, 8 pages                        |
| _____                | 6¢                 | _____               | Nitrogen, 12 pages  |
| _____                | 1¢                 | _____               | D-1 Soil Test Report  |
| _____                | 1¢                 | _____               | D-2 Using the Results of your Soil<br>Acidity Test for Lime |
| _____                | 1¢                 | _____               | D-3 Phosphorus Maps and Interpretation                      |
| _____                | 1¢                 | _____               | D-4 Potassium - Map and Interpretation                      |
| _____                | \$6 50             | _____               | Portable pH Soil Testing Kit                                |
| _____                | 2 00               | _____               | 1/4 lb pH Powder (refill for kit or<br>laboratory use)      |
| _____                | 7 00               | _____               | 1 lb pH Powder (for laboratory use)                         |

\*all prices are f o b. , Urbana, Illinois

Name \_\_\_\_\_ School \_\_\_\_\_





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| pH Soil Testing Kits . . . . .  | 1                 |
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# PRICE LIST OF FEEDS <sup>1/</sup>

November 20, 1962

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed  | Cost per bu., cwt.,<br>or tons in dollars |
|---|---|
| Corn, shelled, bu. . . . .  | .99                                       |
| Corn, ground shelled, bu. . . . .   | 1.09                                      |
| Corn, ground ear, bu. . . . .   | 1.09                                      |
| Oats, bu. . . . .   | .59                                       |
| Oats, ground bu. . . . .  | .69                                       |
| Barley, (feed) bu. . . . .  | 1.05                                      |
| Barley, ground or rolled, bu. . . . .   | 1.15                                      |
| Sorghum, grain cwt. . . . .   | 1.83                                      |
| Sorghum, grain, cracked, cwt. . . . .   | 1.93                                      |
| Garbage and kitchen waste, ton . . . . .  | 8.50                                      |
| *Skim and buttermilk, cwt. . . . .  | 1.50                                      |
| Corn silage, ton . . . . .  | 12.00                                     |
| Sorghum silage, ton . . . . .   | 11.00                                     |
| Grass silage, ton   |   |
| No preservative added . . . . .   | 8.00                                      |
| Preserved with 70-100 lb. molasses . . . . .                                      | 11.00                                     |
| Preserved with 150-200 lb. ground corn . . . . .                                  | 13.00                                     |
| Clover and mixed hay ). . . . .   | 25.00                                     |
| Cowpea hay                    ) Prices quoted are for baled hay, per ton. . . . . | 20.00                                     |
| Soybean hay                    ). . . . .   | 20.00                                     |
| Alfalfa                         ) Loose hay, \$5 less per ton . . . . .           | 25.00                                     |
| Timothy                        ). . . . .   | 20.00                                     |
| Oat straw                       ). . . . .  | 16.00                                     |
| Corn stover, ton . . . . .  | 11.00                                     |
| * Whole Milk, Grade B., cwt. . . . .  | 3.00                                      |

<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois, Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

University of Illinois · College of Agriculture

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# VO-AG AIDS

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January 1963

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In Cooperation with  
Illinois State Board of Vocational Education

# 0-AG AIDS

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# VO-AG SERVICE

## Announcements & Notes

New Bulletins and Circulars from the College of Agriculture We have received two new publications from the College of Agriculture since mailing the December AIDS. They are Circular 855 -- Choosing the Most Profitable Fertilizer Program and Circular 857 -- Plastic Greenhouses. A single copy of each publication is being included with the January Agricultural Releases. Additional copies may be obtained by following the regular procedure. Out-of-state readers desiring quantities may obtain them at ten cents each.

JWM

Education is Important to Youth "Education is Important to Youth Preparing for a Place in the World" is the title of a letter written by President David D. Henry of the University of Illinois for News and Views, an employee magazine of the Caterpillar Tractor Company, Peoria, Illinois. A copy of this letter is included in the January shipment of Agricultural Releases. A few additional copies are available on request.

JWM

Beef Cattle and Swine. Two publications have come to our attention that are available on request from Mr. Leroy J. Hanson, Director of Nutrition, Triple "F" Feeds, 10104 Douglas Avenue, Des Moines 22, Iowa. They are entitled "Planning the Swine Production Center" and "Tips on Feeding Cattle Particularly for Show." Requests should be sent directly to Mr. Hanson.

JWM

Illinois Custom Spray School We have been informed that the 15th Illinois Custom Spray School will be held January 23-24. In addition to several reports on herbicides and chemical residue, other topics will include the latest developments in flame cultivation, house-fly control, agitation problems with wettable powders, and grasshopper and face-fly controls.

The school will be held at the University of Illinois Illini Union Building. All persons interested in agricultural chemicals are invited to attend. As in the past, we will include copies of the summary of presentations in the March Agricultural Releases.

RLC





1963 Moorman Scholarship Program. Stapled in each of the copies of the AIDS that go to Illinois teachers is a folder describing the Moorman Scholarship Program in Agriculture. This program provides five \$300 scholarships usable at the University of Illinois. Applications for these scholarships are available on request from Dean C. D. Smith, 104 Mumford Hall Urbana

JWM

Slide Sets Available on Loan from County Extension Offices We have been informed by Dr. J. B. Claar, Associate Director of Agricultural Extension Service, that a slide and film library is being developed in each County Extension Office in Illinois. Sets of slides on various agricultural topics, which have been prepared by the Extension Editorial Office are available for loan to schools and other groups within the county.

Announcements of the three latest sets of slides that have been placed in these county libraries are included in the January Agricultural Releases. Their titles are: "Successful Alfalfa Production in Illinois," "Harvesting, Storing and Feeding Roughages," and "Tractor Safety is Your Responsibility."

If you wish to borrow any of these slide sets or any of those developed previously, contact your county farm adviser. If you wish to purchase any of these films, they will be displayed at the June Conference and made available on a composite order basis similar to the plan used for "Food in our Society" last year.

JWM

Extramural Courses -- 1962-63. The departments of the College of Agriculture at the University of Illinois have again listed those extramural courses that will be available for the second semester 1962-63

| <u>Place</u>                                     | <u>Course</u>   | <u>First Meeting</u>               | <u>Instructor</u>  | <u>Hours</u> | <u>Units</u> |
|--|---|------------------------------------|--------------------|--------------|--------------|
| Campgrove<br>(Elementary School<br>near Wyoming) | Agronomy E306--<br>Fertilizers and<br>Their Soil Reactions          | Wednesday<br>Feb. 13<br>6 30 p m   | Kurtz              | 3            | 1/2          |
| Pekin<br>(High School)                           | Agricultural Ec<br>E305--Agricultural<br>Policies and Pro-<br>grams | Thursday,<br>Feb. 14<br>6 30 p m   | Thompson           | 3            | 1/2          |
| Springfield<br>(High School)                     | Agricultural Engr.<br>E381--Farm<br>Electrical<br>Equipment         | Thursday,<br>Feb. 14<br>6 30 p. m. | Olver<br>&<br>Daum | 3            | 1/2          |

The most suitable day and hour for the class can be settled at the first meeting indicated above. A total enrollment of 15 is necessary in order to continue the course.

Questions concerning the course should be directed to Associate Dean Karl E. Gardner, College of Agriculture, University of Illinois.

KEG/JWM



Courses in Agriculture -- Four-week Summer Session, 1963 The College of Agriculture will offer five courses on a four-week basis during the summer session, 1963. Registration will be held on June 17 with the first four week courses running from June 18 to July 13.

Full time students may register for a maximum of 1 1/4 units in four weeks.

| <u>Course and Title</u>   | <u>Credit</u>                | <u>Instructor</u> |
|---|------------------------------|-------------------|
| Agr. Econ 305 -- Agricultural Policies and Programs                                 | 3 hours, or<br>1/2 unit      | Spitze            |
| Agr. Eng 331 -- Function, Application, Adjustment, and Management of Farm Machinery | 3 hours, or<br>1/2 unit      | Yoerger           |
| Agron 306 -- Fertilizers and Their Soil Reactions                                   | 3 hours, or<br>1/2 unit      | Melsted           |
| An Sci. 301 -- Beef Production  | 3 hours or<br>3/4 unit       | Neumann           |
| Home Econ. 351 -- Special Problems in Group Feeding                                 | 4 hours, or 1/2<br>or 1 unit | Bonnell<br>House  |

CDS/JWM

Film on Use of the Grain Futures Market Professor L. F. Stice has called our attention to the film entitled, "The Speculators". If you are interested in booking this film, write to Sterling Movies USA, 200 South Michigan Avenue, Chicago 4, Illinois; give them 3 weeks' or a month's notice before you want to use the film.

Professor Stice says that the film works in well with a series of meetings put on by the Extension Service on "The Farmers Use of Futures Markets". Teachers interested in sponsoring such a series of meetings, consisting of three two-hour programs, should contact the county farm advisers. Some meetings of this kind have already been scheduled.

JHH

Standards for Measures of Efficiency for 1962 This item is being included with the January Agricultural Releases. The standards are based on results obtained by account-keeping farmers; 1962 price estimates were applied to production and physical inputs of previous years. The material should be helpful in providing a comparison with results obtained by students or by a class of adult farmers. Additional copies are available at 5 cents each, f o b , Urbana.

JHH

Soil Productivity Ratings This item is being included with the January Agricultural Releases. It is a rerun of the sheet included with the February, 1959 Agricultural Releases. In most cases, one copy per teacher should be sufficient for use in closing out records. We have a limited number of additional copies available.

JHH



Five Steps to Five Tons With Certified Alfalfa. We are told that the College still has a reasonable number of copies of this leaflet that can be distributed without charge as long as the supply permits. It is suggested that you place your orders through Vocational Agriculture Service in case you need additional copies.

RLC

Bibliography of Teaching Aids. Through the courtesy of Professor W. F. Bulkley we are sending to Illinois Agricultural Release subscribers a bibliography of teaching aids which lists free booklets, films, maps, and charts on forest products. Copies of these educational aids may be obtained from the American Forest Products Industries, Inc., 1816 N Street N.W., Washington 6, D.C.

RLC

Crop Varieties Recommended for Illinois. Through the thoughtfulness of Dr. W. O. Scott we are sending in the January Agricultural Releases a wall chart showing the crop varieties recommended for Illinois. This chart lists the varieties of small grains, legumes, and grasses that are currently recommended for the northern, central and southern sections of Illinois. Additional copies are not available.

RLC

FFA Roadside Signs. Schools that applied before the November 1 deadline for sets of FFA roadside signs, either to replace those now held or to get a set for the first time have all been notified. The program is being held up by those schools who have not sent back the necessary information. As soon as we hear from those schools the signs will be prepared and all concerned will be notified. Funds appropriated by the Illinois Foundation FFA for this program have all been committed so no additional sets can be made available during this school year.

JWM

Fertilizer Course Materials. The supply of fertilizer course materials is nearly exhausted. We are willing to rerun these items once more about February 1 if the demand justifies. If you wish to order please use the tear sheet included in this issue of the AIDS and send it to us before the end of January. These materials will not be rerun again this school year.

JWM

U. of I. College of Agriculture Events - 1963. The January issue of Agricultural Releases includes an item "University of Illinois College of Agriculture Events for 1963" suitable for bulletin board posting.

JWM



## NEW BOOKS

The following has been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

MODERN MARKETING OF FARM PRODUCTS William P. Mortenson, Ph. D.  
1963. \$3.50 The Interstate Printers and Publishers, 19-27 North Jackson Street,  
Danville, Illinois

The following was taken from the information sheet:

"MODERN MARKETING OF FARM PRODUCTS has been written specifically to meet the need in vocational agriculture for a book on marketing which is geared to the level of vo-ag students and adapted to the practical problem of teaching marketing in the amount of time available in a high school department of vocational agriculture. A textbook written primarily for the college level cannot serve this purpose -- the boys can't understand it, and the teacher does not have enough time to bring it down to the boys' level.

"One of the values of MODERN MARKETING OF FARM PRODUCTS is that it has been planned in such a way that schools which do not have time in their crowded schedules to cover all of the chapters in the book can still present a well-coordinated course adapted to their own particular needs. Those in dairy areas may not be especially concerned with the chapters on fruits and vegetables, grains or poultry. The chapter on cooperative marketing and the one on marketing agreements and orders will be of keen interest to some schools but could well be omitted by others. Yet the full information is there, and because it is presented in an interesting, easy-to-read style, the individual students will unquestionably be motivated to read the whole book, thus gaining a comprehensive understanding of the total marketing process."





AGRICULTURAL PRICE ANALYSIS, Geoffrey S. Shepherd, January, 1963 \$6.00  
Iowa State University Press, Press Building, Ames, Iowa

The following information was taken from the information sheet

"The increasingly important role that price analysis plays in government and business operations is reflected in 'Agricultural Price Analysis,' a new book released this week by the Iowa State University Press. The author is Geoffrey S. Shepherd, professor of economics at Iowa State University.

"In this revised 5th edition, Shepherd has made a number of substantial changes in his presentation to aid the reader in keeping abreast of new concepts and techniques in the price analysis field."





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Placement Situation As of December 15, 1962, there were no vacancies in vocational agriculture reported to the Office of Educational Placement, University of Illinois. Six seniors will be graduating February 1, 1963, and at least four of these men will be available for placement at that time.

Teachers who plan to activate their credentials for the coming placement season should contact the Educational Placement Office, 200 Gregory Hall, so that the necessary arrangements can be made.

PEH

Cooperating Teachers Conference The Cooperating Teachers Conference in Agricultural Education was held in Urbana on November 29-30. Cooperating teachers attending were M. L. Boudreau, J. W. Berger, Eldon Chapman, William Doerr, Jesse Keyser, Kenneth Knell, and William Martinie.

Dr. Paul Hemp was chairman of the conference and Gerald Fuller was secretary. The conference agenda included reports on visits to first-year teachers made by the cooperating teachers.

LJP

Summer School Schedule The schedule of courses for the 1963 four-week summer school session will be ready for the next issue of the Agricultural Education News. The 1963 summer session will provide a good selection of courses. Four courses will be offered in agricultural education, four courses will be offered in agriculture, and two required courses in education will be offered. Any of these courses may be applied toward an Advanced Certificate in Education or toward a Master's degree. Plan now to attend the four-week summer session at the University of Illinois and look for the schedule of courses in the next issue. If you have questions about the Master's degree or the Advanced Certificate in Education, please write Lloyd J. Phipps, 103 Gregory Hall, Urbana, Illinois.

LJP

Graduate Assistantships Graduate assistantships will be available through the Agricultural Education Division for 1963-64. If you are interested in an assistantship for 1963-64, please inform a University of Illinois Agricultural Education Division staff member. He will provide you with the details.

LJP

AIDS, January 1963



President Kennedy's Panel on Vocational Education The Panel on Vocational Education in their summary report has recommended that the vocational agriculture program be broadened to provide instruction for the non-farm agriculture occupations in addition to the occupation of farming. A recent release by the Agricultural Education Branch, U. S. Office of Education stated, "since agriculture embraces the two major components, farming and non-farm agricultural occupations, a two tract agricultural education program seems necessary. Programs should be designed to meet as nearly as possible the needs of the individual students preparing for or engaged in the various agricultural occupations. The non-farm agricultural occupations may require preparation in two or more distinct segments of vocational education."

Leaders in agricultural education are predicting that the implementation of the Panel's report in regard to agricultural education will create a need within a few years for a fifty percent increase in the number of teachers of vocational agriculture. This would mean an increase of 230 to 240 teachers of vocational agriculture in Illinois. It may mean many more vocational agriculture teaching jobs at the post-high school level.

LJP

Education 477 sessions end Seventeen teachers have just completed the field studies course. They were,

|                    |                    |                 |
|--------------------|--------------------|-----------------|
| H. Edward Breece   | William Gengenbach | M. Dale Quick   |
| Paul Chaney        | Donald Kaufman     | Albert Ticken   |
| Keith Clement      | Winford Legate     | Vern Trucano    |
| John Feddersen     | Wilbur Liehr       | Albert Tuntland |
| Thomas Fitzsimmons | Maurice Lindsay    | Clifton Wick    |
| Virgil Foster      | David Moore        |                 |

Each of these men was involved in an individual study project in relation to their own program of agricultural education. Next time you see any of these men, ask them about the ideas discussed in the meetings and about their independent studies.

The fact that so many teachers of agriculture are continually working at professional improvement activities is one of the reasons our profession is a good one. All of these men are to be commended. They serve as an inspiration to all.

AHK

Woodstock Community represented on A. V. A. program Four persons from the Woodstock Community participated in the A. V. A. program in Milwaukee as members of a panel on guidance. They were

A. C. Drummond - Assistant Superintendent and Director of Guidance, High School  
George Forgey, Teacher of Vocational Agriculture  
William Beu - Dairy Farmer, Father of Wayne Beu  
Wayne Beu - High School Student Enrolled in Vocational Agriculture

This panel gave one of the finest discussions of guidance I have ever heard. They are all to be congratulated.

AHK

AIDS, January 1963



Graduate Courses, Second-Semester, 1962-63 The following is a final announcement of the graduate courses in agricultural education available at the University of Illinois the second semester.

Ed. 474 -- Farming Programs in Agricultural Education  
Monday, 7-9 p. m., 1/2 unit

Ed. 449 -- Independent Study, No class meetings,  
Outline of study must be approved in advance of registration 1/2 unit

LJP

Vocational Agriculture Boys Interested in Teaching Several teachers during the past month have sent us lists of their seniors interested in teaching vocational agriculture. There seems to be a shortage of teachers of vocational agriculture throughout the nation. There is also a shortage of other professional agriculture educators. May we suggest again, if you haven't already sent us a list, that you poll your boys regarding their interest in teaching.

LJP

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Write the name (or names) and addresses of senior students you would recommend as prospective teachers of vocational agriculture and send the information to the Division of Agricultural Education, 103 Gregory Hall, University of Illinois, Urbana, Illinois.

Names of Seniors

Addresses

|       |       |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Signed \_\_\_\_\_  
(Vo-Ag teacher)

Address \_\_\_\_\_







# I A V A T NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

I. A. V. A. T Handbook Revised The revised Handbook goes to press. I wish to thank the various committees who have worked hard to give the I A V A T, membership a guide to its structural make up, duties, and responsibility of its officers and members

When you receive the Handbook at the June Conference take time and read it thoroughly. It will give you a better understanding of your I A V A T association

Attend I A A Meeting I had the privilege of attending the I A A. Dinner Wednesday, November 14, at the Sherman House in Chicago. Never realized there were so many organizations in the State who have a relationship to Agriculture

Following the banquet we were guests at the evening program ---Entertainment--- Illinois Wesleyan Collegiate Choir. Remarks by Dr. Louis B. Howard, Dean of Agriculture, University of Illinois, and the address of the evening was given by Honorable Otto Kerner, Governor of Illinois

In the afternoon I took in the I A A General Session conducted by President Kuhfuss which was enlightening to me. for I had never attended an I A A. General Session before

Vo-Ag Loses 2 Art Meadors and Joe Newcomer, veteran Vo-Ag teachers, were elected County Superintendent of Schools in their respective counties

We are sorry to lose such faithful teachers, but wish them all the success in the world in their new positions and are very sure they will reflect many times on the years they were in Vo-Ag

Art says Ag has been good to him and I can add, Art was good to Ag



Be Sure To Attend This year the I. V. A. Convention will be held in Chicago at the Congress Hotel, February 28 - March 2. Bill Martinie, your Vice President, has lined up a fine program for the I. A. V. A. T. section of the convention.

March 1 - Morning Session

9:30 - 10:00 -- Coffee and Donuts - Courtesy of Cargill, Inc. (Harold Engleking)

Announcements from

State Office

Vo-Ag Service

Ag. Ed. Departments

"Vo-Ag Through the Eyes of a Principal"

James Golby, Principal of Kewanee High School

"Your Future in American Agriculture"

William Kuhfuss, President Illinois Farm Bureau

March 1 - Afternoon Session

"The Packer and Stockyard Act as it Applies to the Livestock Industry"

Glen Boyle, Livestock Marketing Specialist for U S D A.

"We Look to the Owl"

Kenny McMillan, National FFA President

March 2 - Saturday

8 00 a m - I A V A T. Executive Committee Meeting

Aids Display 1963 We are asking you to bring a teaching aid to the June Conference Surely you have a piece of equipment, a chart or form that helps you in your teaching Won't you display it, to give other Ag teachers an idea?

Vo-Ag Service is cooperating in providing space to display these aids So let's bring them in-- 3 awards will be given for those displaying the best aids of show

Introducing Dave Beckenholdt. Dave is connected with University of Illinois in FFA and Vo-Ag Communication

Dave was born on a farm 6 miles N E. of Farmer City, attended Hetile H. S. two years, and graduated from Mansfield H. S. in 1946 He took 4 years of Vo-Ag in H. S. under 4 different Ag teachers

Received his B. S. in General Agriculture from University of Illinois in June 1962 Has attended Eureka College, University of Arkansas besides the University of Illinois, and is now working on his Masters of Science degree in journalism.

Just thought you might be interested in a little background of the fellow who helped conduct the FFA Reporter Workshops throughout the State this fall



Section I Going Strong A note received from Sec I, Public Relations man, Dean K Finch, informs us that they have had a busy fall

The first activity was the Sectional FFA Officer's Training School at Stockton, their Soil Selection Contest was at Pecatonica, Mt Morris was host to the Grain and Feed Grading and the Section I Livestock Judging Contest All events were well attended

On October 13 the Sec I Ag teachers entertained their wives with a supper and party Toni Daley and his guitar furnished the entertainment Hats off to the banquet committee Prize winners of the games were Dean Finch and Doris Hefty Roy Hefty and Cliff Wick were the hosts

Take note-- Would sure like to hear from your sections' on the activities the Vo-Ag teachers are participating in in the various communities I'm sure it would be interesting to all of us Ag teachers are active in many varied community projects

Another 30-Minute Club Member H J McPheron, Ashton, must be interested in bees I noticed he is on the board of directors of the Illinois State Beekeepers' Association, also that he had an article published in the American Bee Journal in July on "Loading Truck and Part " Congratulations Herschel

Be sure to let me know if you qualify for a 30 Minute card

Section 22 Has Good Idea Notes sent in by Section P R Richard W Eade states their Section begins each year with a family outing in August at Fort Gauge Illinois This meeting serves as an introductory meeting for all new instructors within the section A Pot Luck Supper is enjoyed followed by a short business session

This section follows the policy of meeting once a month at various schools to discuss sectional business Many of these meetings include an evening meal at which the wives are also in attendance

They feel that these meetings greatly aid new teachers within the section and also keep the others up to date on sectional activities

Think it Over - The above news item sure rings true in several ways Can't see why more sections don't have monthly sectional meetings There's no question that it would be beneficial to the new teachers and it would certainly help the oldsters, too

And don't you think the wives would like to meet one another or at least get a night out with your colleagues?

Yep--We are busy, but wouldn't it be worth a try next year?

2 Good Articles in Illinois Vocational Program The November issue of the Illinois Vocational Program has 2 good articles in it by Illinois Vo-Ag teachers, one by Van Burgess of St Francisville, and Orville Bottrell of Crete-Monee

The one on Corn Variety Trials--has a dandy Corn-Growing Contest Score card which probably could be revised to fit any section in the state.

AIDS, January 1963



Committee Chairmen Take Note How are your committees functioning? Be sure to get a written report of the activities of your committee to Bill Martinie or me by April 1

Inquiry from Minnesota A two week institute on the Farm Management and Business Analysis Approach to adult education in agriculture is being planned for June 17-28, 1963

The institute will be available as a credit course or a non-credit course

If you are interested in such an institute, please notify me so I can pass on the information

N V A T A Convention The 1962 N V A T A held its 14th convention in Milwaukee December 1-6 with over 250 members registering

Those from Illinois in attendance were G L Brown, Lostant; N V A T A Treasurer Bob Howey Sycamore; Max Kuster, Joliet; Art Twardock, Champaign; Region I Director E L Rice Princeville; Vice President Bill Martinie, Minonk; and yours truly George Forgev of Woodstock was on a panel at one of the sessions

Fellows, every time I attend the N V A T A Convention, I realize more thoroughly how important the N V A T A is to us and that it is an organization of Vo-Ag teachers for Vo-Ag teachers as your I A V A T is

The new officers for the 1963 year are President, Wenroy Smith Saltsburg, Pennsylvania; Treasurer Robert Howey Sycamore, Illinois; Vice President- Region I, James Durkee Douglas Wyoming; Vice President- Region VI James Givens, Winchester Virginia Hold over officers are Executive Secretary, James Wall, Lincoln, Nebraska; Vice President- Region II T. J. Honeycult, Marlin Texas; Vice President-Region III Verdnie Rice Williston, North Dakota; Vice President-Region IV, Walter Bomeli Bangor, Michigan; Vice President Region V E W Crowley, Crowder, Mississippi A more extensive report on the N V A T A Convention will be given at the June Conference

Illinois 100%-- Thanks fellows, for getting your dues in on time to make Illinois one of the 34 states to have 100% membership for their Vo-Ag teachers It gave me a sense of pride for the Vo-Ag teachers of Illinois to turn on the Illinois light in the 100% Lighting Ceremony at the N V A T A Convention in Milwaukee

Please Note- Dues paid by the states in Region IV, of which Illinois is a part, are as follows--Illinois--\$14 50, Indiana--\$16 00, Kentucky--\$16 00, Michigan--\$17 50, Missouri--\$20 00, and Ohio--\$15.50

This includes the Ag-Ed Magazine in each case, so you see we are quite fortunate dues-wise in Illinois





Be Sure to Read. The December issue of the American Vocational Journal will carry a special report on recommendations of the Vocational Education panel. It is quite possible that as a result of the panel's report, certain legislation will be introduced that could have far-reaching effects on vocational education. Our own N. V. A. T. A. past president, Floyd Johnson, was a work horse on this panel.

Youth must be served, but let us not lose sight  
of the fact that Youth must also be taught  
how to serve.



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TO Vocational Agriculture Service  
 434 Mumford Hall  
 Urbana, Illinois

Please send the following items:

| <u>No. of Copies</u> | <u>Price each *</u> | <u>Total Amount</u> |   |
|----------------------|---------------------|---------------------|---|
| _____                | 5¢                  | _____               | Standards for Measures of Efficiency for 1962               |
| _____                | 3¢                  | _____               | Safe Fertilizer Application, 6 p                            |
| _____                | 4¢                  | _____               | Using Phosphorus Fertilizer, 8 p                            |
| _____                | 6¢                  | _____               | Nitrogen, 12 pages  |
| _____                | 1¢                  | _____               | D-1 Soil Test Report  |
| _____                | 1¢                  | _____               | D-2 Using the Results of your<br>Soil Acidity Test for Lime |
| _____                | 1¢                  | _____               | D-3 Phosphorus Maps and<br>Interpretation                   |
| _____                | 1¢                  | _____               | D-4 Potassium - Map and<br>Interpretation                   |

\*All prices are f. o. b., Urbana, Illinois

Name \_\_\_\_\_ School \_\_\_\_\_



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# PRICE LIST OF FEEDS <sup>1/</sup>

December 21, 1962

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed   | Cost per bu. , cwt. ,<br>or tons in dollars |
|--|---|
| Corn, shelled, bu. . . . .   | 1.07  |
| Corn, ground shelled, bu. . . . .  | 1.17  |
| Corn, ground ear, bu. . . . .  | 1.09  |
| Oats, bu. . . . .  | .69   |
| Oats, ground bu. . . . .   | .79   |
| Barley, (feed) bu. . . . .   | 1.06  |
| Barley, ground or rolled, bu. . . . .  | 1.16  |
| Sorghum, grain cwt. . . . .  | 1.88  |
| Sorghum, grain cracked, cwt. . . . .   | 1.98  |
| Garbage and kitchen waste, ton . . . . .   | 8.50  |
| Skim and buttermilk, cwt. . . . .  | 1.50  |
| Whole Milk, Grade B., cwt. . . . .   | 3.00  |
| Corn silage, ton . . . . .   | 12.00                                       |
| Sorghum silage, ton . . . . .  | 11.00                                       |
| Grass silage, ton  |   |
| No preservative added . . . . .  | 8.00  |
| Preserved with 70-100 lb. molasses. . . . .  | 11.00                                       |
| Preserved with 150-200 lb. ground corn . . . . .                                   | 13.00                                       |
| Clover and mixed hay ). . . . .  | 25.00                                       |
| Cowpea hay                    ) Prices quoted are for baled hay, per ton . . . . . | 20.00                                       |
| Soybean hay                    ) . . . . .   | 20.00                                       |
| Alfalfa                         ) Loose hay, \$5 less per ton . . . . .            | 25.00                                       |
| Timothy                         ) . . . . .  | 20.00                                       |
| Oat straw                        ) . . . . .                                       | 16.00                                       |
| Corn Stover, ton . . . . .   | 11.00                                       |

<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois, Urbana, Illinois

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# **VO-AG AIDS**

Volume 21, Number 7  
February 1963

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

Calf Sale - February 23. Professor J G Cash of Dairy Extension sent us the following announcement:

"The Illinois Purebred Dairy Cattle Association will sponsor their Fifteenth Annual Calf Sale in the Stock Pavilion on Saturday, February 23. As you know, only bona fide FFA and 4-H members are eligible to purchase the calves offered at this sale

"A copy of the catalogue will be sent to each vocational agriculture instructor just as soon as they are off the press. Those desiring additional copies can obtain them by writing to Professor Cash. The catalogues will be off the press during the first week or two of February.

JGC/WHW

Correction sheet for the 1962 Record Problem and Key. The 1962 tax rates should be: 3 1/8 percent, instead of 3 percent, as the employee's share (and also the employer's share) of social security tax on cash wages paid to hired farm workers. The self employment social security tax rate should be 4.7 percent, instead of 4.5 percent. For the sake of simplicity we suggest that students fill in the problem as shown, but that you point out the corrected 1962 rates.

Page 59 of the Key should show the remaining cost at the end of the year for the Minnesota boars to be \$190 instead of \$180.

The new investment credit provision, along with additional first year depreciation, would mean that the new corn picker purchased would be set up in the depreciation schedule as follows:

| <u>Kind of Machine<br/>or equipment</u> | <u>Date<br/>Acquired</u> | <u>Cost or<br/>Other Basis</u> | <u>Salvage<br/>Value</u> | <u>Depreciable<br/>Balance</u> | <u>Est.<br/>Life</u> |
|---|--------------------------|--------------------------------|--------------------------|--------------------------------|----------------------|
| Corn picker                             | 2/62                     | \$2,360.00                     |                          |                                |                      |
| Less: Add. 1st yr. dep.                 | \$472.00                 |                                |                          |                                |                      |
| Investment credit                       | 165.20                   | 637.20                         |                          |                                |                      |
|   |                          | <u>\$1,722.80</u>              | 120.00                   | 1,602.80                       | 10                   |

Some change has also taken place in the calculation of salvage value (see page 33 of the 1963 Farmer's Tax Guide) but apparently the above item would not be affected because of time of purchase.

JHH

AIDS, February 17



1963 Farmer's Tax Guide. This item is being included with the February Releases. We do not have additional copies available. We understand that Internal Revenue offices and county farm advisers also received copies.

JHH

Income Tax Illustration Based on the 1962 Farm Record Problem. This item is being included with the February Ag. Releases. We have about 100 additional copies available for sale at 6¢ each, f. o. b., Urbana.

JHH

Materials available on Plywood We are indebted to Mr. M. T. Fast, Agr. Field Representative of the Douglas Fir Plywood Association for the following information:

A packet of materials entitled "Facts About Fir Plywood for Vo Ag Teachers" has been made available to Illinois Vo-Ag Teachers. It includes a teaching outline, illustrated sheets on different topics in the outline and plans for two farm buildings. Mr. W. L. Griebeler, Agr. Field Promotion Manager, states in his letter, "Also included is a listing of the various pieces of literature and plans related to agricultural uses of plywood and available from DFPA. We find it necessary to limit free distribution of these plans and brochures to single copies, however, quantities can be obtained at the prices listed on the Literature List, which are only a fraction of our actual printing costs. A list of DFPA movie films and instructions for booking is also included." These packets are available from

Mr. W. L. Griebeler  
Agricultural Field Promotion Manager  
Douglas Fir Plywood Association  
1119 A Street  
Tacoma 2, Washington

RFE

Fertilizer Course Materials. Composite orders are being accumulated for the "Fertilizer Course Materials" and will be run about February 1. We have not acknowledged each order, but shipment can be expected to follow shortly. We will run a few extra copies, so if you wish to order, please use the tear sheet included in the January issue of the AIDS. These materials will not be rerun again this year.

RLC

Windbreak Price List. Through the courtesy of Professor W. F. Bulkley, Department of Forestry, we have received a supply of copies of the price list for ordering trees from the state Division of Forestry. The price lists are being sent only to Illinois teachers because the stock is usually available only to Illinois land owners.

RLC

Selecting Arc Welding Electrodes. A single copy of a 5-page multilith entitled "Selecting Arc Welding Electrodes" was included in the February issue of Agricultural Releases. We have a few extras remaining and will send a copy to any who request it.

JWM

AIDS, February 1963



Assistance Available from American Zinc Institute. We have received information from Mr. Leland E. Bradley, Field Manager, American Zinc Institute, 324 Ferry Street, Lafayette, Indiana, announcing a new instructional program for vocational agriculture teachers on "Galvanized Steel in Agriculture." A representative from the Zinc Institute will present a program covering various uses of galvanized steel sheets in agriculture, their selection, application, and maintenance on request. The meeting will require approximately one and one-half to two hours. Teachers who attend will be provided with teaching kits containing slidefilms, brochures, and charts for a token charge of 50 cents. Interested groups of teachers may obtain further information and schedule a date for this program by writing directly to Mr. Bradley.

Farm Structures Workshops, similar to those which have been conducted in a number of sections in the past, are also still available, according to Mr. Bradley.

JWM

Extramural Courses in Agriculture. Those interested in the extramural courses from the College of Agriculture, University of Illinois, for the second semester 1962-63, will wish to note this information which is being repeated from the January issue of the AIDS.

| <u>Place</u>                                     | <u>Course</u>  | <u>First Meeting</u>                | <u>Instructor</u>  | <u>Hours</u> | <u>Units</u> |
|--|--|-------------------------------------|--------------------|--------------|--------------|
| Campgrove<br>(Elementary School<br>near Wyoming) | Agronomy E306--<br>Fertilizers and<br>Their Soil Reactions         | Wednesday,<br>Feb. 13<br>6:30 p. m. | Kurtz              | 3            | 1/2          |
| Pekin<br>(High School)                           | Agricultural Ec.<br>E305--Agricultural<br>Policies and<br>Programs | Thursday,<br>Feb. 14<br>6:30 p. m.  | Thompson           | 3            | 1/2          |
| Springfield<br>(High School)                     | Agricultural Engr.<br>E381--Farm<br>Electrical<br>Equipment        | Thursday,<br>Feb. 14<br>6:30 p. m.  | Olver<br>&<br>Daum | 3            | 1/2          |

The most suitable day and hour for the class can be settled at the first meeting indicated above. A total enrollment of 15 is necessary in order to continue the course.

Questions concerning the course should be directed to Associate Dean Karl E. Gardner, College of Agriculture, University of Illinois.

KEG/JWM

New Listing Cards. 33 new cards are being sent in a separate shipment to all schools and individuals that have listing card sets describing items available from Vocational Agriculture Service. A sheet accompanying the shipment lists the cards that are to be withdrawn. It also contains a complete listing so that you can check your entire file and bring it up to date. If you find cards missing, Vocational Agriculture Service will supply them to you without charge if you will check and return this sheet to us.

JWM

AIDS, February 1963





Composite Orders February 15 is one of the three dates which ends a composite order period for tractor maintenance equipment, small engine tools, etc. There have been some price changes in these items since the last information was sent to you. A current listing with prices and other information is stapled in this issue of the AIDS. Please note that the next composite order period after February 15 ends July 1.

JWM

New Bulletins and Circulars from the College of Agriculture. We have received three publications from the Information Office since the last issue of the AIDS. They are Bulletin 687 - The Economic Value of Manure from Confinement Finishing of Hogs, Bulletin 688 - Effects of Lender Decisions on Farm Financial Planning, and Circular 856 - Weed Control in Field Crops. A single copy of each of these publications was sent with the February mailing of Agricultural Releases. Out-of-state readers who wish quantity copies of these publications may obtain them at the following prices. Bulletin 687 - 10 cents, Bulletin 688 - 15 cents, and Circular 856 - 15 cents.

JWM

Judging Contest Rules. A copy of the announcements and rules regarding the 1963 Illinois Judging Contest for departments of vocational agriculture was sent to each Illinois teacher just before the mailing of this issue of the AIDS. If your copy fails to arrive within a reasonable length of time, please let us know.

JWM

Survey on Audio-Visual Items. Enclosed with this copy of the AIDS, sent to Illinois teachers, is a copy of "Survey of Audio-Visual Materials & Equipment Used by Voc-Ag Teachers."

Please fill out this survey form and return it to us as soon as possible.

The information received from this survey will guide us in preparing teaching materials. The results will also help us answer a teacher's questions about equipment he is planning to buy. At the bottom of the form is a section regarding equipment that you might like to see demonstrated at the 1963 June Conference.

We need your cooperation in order to make the results meaningful.

RFE



## N E W B O O K S

The following has been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

APPROVED PRACTICES IN POULTRY PRODUCTION. Biddle and Juergenson. 1963. \$3.25. The Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois.

The following information is taken from the preface to the third edition:

"The purpose of this book is to furnish a comprehensive list of activities which involve approved practices with information on how they should be done in the poultry enterprise... it is important that the producer know what these approved practices are and how to carry them successfully to completion in order to attain the greatest success in the poultry business .. A considerable amount of the information has been taken from state agricultural colleges and experiment stations in order to provide the reader with the latest information which has been tested and proved successful. A number of plans of poultry equipment have also been included. Labor saving devices have been highlighted throughout the book.

"This book should be useful for poultrymen; farmers, including full-time, part-time and suburban; FFA members and other students of vocational agriculture; teachers of vocational agriculture; 4-H club members; county agricultural agents; and other persons interested in efficient poultry production."





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Placement Report. Five schools were seeking teachers of agriculture in early January. As of January 15, two of the five employed midyear graduates, but the other three vacancies still exist. No schools have reported vacancies for 1963-64, but such vacancies are usually not reported until later in the year. A normal number of vacancies is expected for the 1963-64 school year. The supply of beginning teachers will be slightly greater than last year. Twenty-five University of Illinois men will be qualified for teaching this year, but only about eighteen of these graduates will be available for teaching positions.

PEH

Former Students Who Taught Vo Ag We are interested in determining the teacher of vocational agriculture in Illinois who has the largest number of former students who qualified as teachers of vocational agriculture. Send us a list of your former students who qualified.

LJP

Fellowships, Scholarships and Graduate Assistantship Available. Persons with a good academic record wishing to do graduate work in agricultural education should write the Agricultural Education Division, 103 Gregory Hall, Urbana, Illinois, for Fellowship application forms. Fellowship stipends are \$1800 plus tuition and fees. No work is required. Persons interested in doing graduate work while working part-time should write for application forms for a graduate assistantship. When writing for application forms, please indicate whether you wish to work for a master's degree or a doctor's degree.

LJP

Value of Vocational Agriculture. High school boys who indicate some interest in preparing to teach vocational agriculture often ask us whether they should continue to enroll in vocational agriculture. We reply, "let us assure you that the work you are doing in high school vocational agriculture will give you a head start toward becoming a teacher of vocational agriculture. Nearly one hundred per cent of the young men preparing to become agriculture teachers took vocational agriculture in high school."

LJP

AIDS, February 1963



Krebs on Sabbatical Leave. A. H. Krebs has been granted a sabbatical leave for six months beginning February 1, 1963. He plans to devote the time to research and program development in the area of education in agriculture at the elementary, junior high school, and senior high school levels. His studies will take him to schools in several states beside Illinois. The work to be done will be coordinated with the agricultural education staff program of research and development now in progress in the area of technical education in agriculture at the high school and post-high school levels.

LJP

1963 Summer School Courses. The following four-week courses in agricultural education and agriculture will be offered for teachers of agriculture, and others interested in agricultural education, from June 17 - July 12, 1963.

| <u>Course and Title</u>   | <u>Credit</u> | <u>Time</u>                      | <u>Instructor</u> |
|---|---------------|----------------------------------|-------------------|
| Ed. 472. Course Planning and Teaching Procedures in Vocational Agriculture        | 1/2 unit      | 8-10<br>TWTF                     | Warmbrod          |
| Ed. 473. Vocational Education in Agriculture for Adults                           | 1/2 unit      | 10-12<br>TWTF                    | Hemp              |
| Ed. 474. Supervised Farming in Vocational Agriculture                             | 1/2 unit      | 1-3<br>TWTF                      | Warmbrod          |
| Ed. 475. Organizing and Teaching Farm Mechanics                                   | 1/2 unit      | 10-12<br>TWTF                    | Phipps            |
| Agr. Econ. 305. Agr. Policies and Programs  | 1/2 unit      | 8-10<br>MWF,<br>7-10 TT          | Spitze            |
| Agr. Eng. 331. Function, Application, Adjustment and Management of Farm Machinery | 1/2 unit      | 3-5:45<br>MTWTF                  | Yoerger           |
| Agron. 306. Fertilizers and Their Soil Reactions                                  | 1/2 unit      | 1-3<br>MTWTF,<br>7-9 p. m. Th.   | Melsted           |
| An. Sci. 301. Beef Production   | 3/4 unit      | 10-12<br>MTWTF,<br>7-9 p. m. Tu. | Neumann           |

Ed. 304, Social Foundations of Education, and Ed. 312, Mental Hygiene and the School, will also be offered from June 17 - July 12, but we do not yet have the time schedule for these courses.

LJP

AIDS, February 1963





Alpha Tau Alpha Chapter Initiates Purdue Group. A delegation from the Alpha Chapter traveled to Purdue University this semester to initiate a new chapter of Alpha Tau Alpha at Purdue University. The Illinois delegation enjoyed eating dinner with the Purdue neophytes at the Memorial Union Building. Later in the evening 19 prospective teachers of agriculture were initiated into the Omega Chapter. Students from Illinois who participated in this event were as follows

|               |                   |
|---------------|-------------------|
| Rodney Smith  | Auburn, Illinois  |
| Dale Fathauer | Mowequa, Illinois |
| James Trotter | Adair, Illinois   |

Dr. Paul Hemp, adviser of the Alpha Chapter, accompanied the group.

PEH

Meetings. Lloyd J. Phipps conducted the college and career day meeting for agriculture at Leland, Illinois, on February 6. Schools participating were Paw Paw, Leland, Franklin Grove, and Lee Center. J. Robert Warmbrod is giving the FFA banquet speech at New Athens on April 4.

LJP

National FFA President Speaks to University of Illinois Agricultural Education Club.

Kenny McMillan, National FFA President, returned to the University of Illinois to speak to many of his friends and fellow students about his experiences as FFA President and about his views regarding agricultural education.

Kenny inspired his audience with his expressions of faith in the future of agriculture and agricultural education. Of particular interest to teachers of vocational agriculture were his statements pointing out the great influence his vocational agriculture teacher has had on his life, especially with regard to his achievements in the vocational agriculture program. He indicated that a person who did not have faith in the future of his chosen profession would be unable to provide the inspiration and leadership needed in that profession. The audience fully agreed with his remarks to the effect that the continuing success of the FFA depends on having more capable young men prepare for teaching agriculture.

President McMillan's message was full of meaning for all of us in agricultural education. He gave due recognition to the importance of the FFA as a part of the vocational agriculture program and described some of the ways the FFA gives recognition to achievement in vocational agriculture. We're looking forward to having Kenny back on the University of Illinois campus after his responsibilities as FFA President are completed.

AHK





# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

10 Vo-Ag Teachers Recognized 10 vocational agriculture teachers were recognized at the I. A. A. annual conference for their 25 years of service to agriculture.

Those receiving recognition were Burdette Graham, Macomb, M. J. Worthington, Petersburg, Irving M. Huggins, Rockton, Stuart Montooth, Earlville, Shaw Terwilliger, Virginia; Robert Howey, Sycamore; Alfred Herstrum, Burlington, M. V. Heiderscheid, Auburn; Robert E. Liehr, Morrison; and Arthur L. Schick, Sterling.

Congratulations, fellows!

Who Used Agricultural Short Course Scholarships. I'm sure it would be interesting to all vocational agriculture teachers to know how the fellows who used these FFA Foundation Scholarships liked their stay at the University of Illinois.

Wonder if we could hear from some that attended. A short testimonial would surely encourage others to take advantage of this activity.

I'll be looking for a few lines from your boys who attended this year.

Notes from Section 17. Section 17 has been experimenting for years with a production corn class for its grain fair. For the past several years, bushel samples of "crib run" corn accompanied by the record book has been used. Double X value premiums have been awarded for this class.

An evaluation sheet was prepared by the student showing such things as fertilization program, soil test, plant population, etc., and was graded by a committee of teachers. They have now dropped the ear corn sample and are using a much revised evaluation sheet which was worked out by K. Knell and A. Twardock.

Anyone desiring a copy of Section 17 "Corn Evaluation Sheet" might check with Art Twardock, Champaign.

The above article was sent in by Ed Sauer, Section 17 Reporter. Thanks, fellow. We would sure like to hear from more of the Section Reporters.

AIDS, February 1963



National FFA Week - February 16-23. The theme this year "Agriculture--Vital to America." It couldn't be better, as we go into a new year to develop in the general public an awareness of the importance that Agriculture holds in not only our country, but the world in general.

Let us know how your Chapter promoted vocational agriculture education and "Agriculture--Vital to America" during this week.

FFA Foundation Funds Lagging. While we are speaking of National FFA Week, how is your section doing on the FFA Foundation fund drive? The last issue of the Illinois FFA Foundation Newsletter shows that the funds are coming in very slowly - what's wrong?

We as vocational agriculture teachers could and should at least send a list of prospective contributors to our FFA Foundation Sectional Committee so they would have some place to start. Get in touch with your Section chairman.

There is no other state that has such a fine FFA Foundation set-up as does Illinois, and I am sure we would not like to see such a program curtailed.

Vo-Ag Scholarship. Prentice-Hall, Inc., publishers of books, and A. V. A. have announced annual scholarships in the field of agricultural education. Four \$125 scholarships will be awarded to vocational agriculture teachers desiring to do graduate work in agricultural education in the teaching of vocational agriculture. This award will be for use during the summer of 1963.

Applicants for the awards for the summer of 1963 may apply to the Agricultural Education Department of any college or university offering such courses.

Dates to Put into Your Little Green Book

- National FFA Week . . . . . February 16 - 23
- I. V. A. Convention, Congress Hotel, Chicago . . . February 28 - March 2
- I. A. V. A. T. Committee Reports Due . . . . . May 1

Just Wondering. During the vocational agriculture teachers conference, many states provide a program for the wives who attend with their husbands. I was wondering if Illinois could initiate such a program, and encourage more wives to attend the conference with their husbands.

Would like to hear from you on this idea.

Did You Know? The Thor Research Center, a non-profit organization sponsored by the Thor Power Tool Company, Aurora, Illinois, provides a \$250 fellowship to instructors who have the regional winners in the National FFA Farm Machines contest.

Committee Chairmen Note. Be sure to have your committee reports to me or Bill Martinie by May 1, so they can be organized for the June Conference.



Should Your Name be on this List? We would like to list the Sectional Reporters selected thus far: Sections 1-Dean Finch, 2-M L. Lindsay, 4 Talmadge Wimer, 5-Tom Fitzsimmons, 7-Ken Anderson, 11-Ken Stevens, 15-Victor Funk, 16-Gordon Bidner, 17-Edwin Sauer, 21-Gerald Binkley, 22-Richard Eade, 23-Loren Petty, 25-Milton Renaud.

Would the other sections please send me the names of your Reporters. Dave Beckenholdt of the FFA Information Development Program wishes a list of the I. A. V. A. T. Sectional Reporters

Keep the News coming, fellows.

By the way, Region II should strive to have their news in to me by February 10th, Region III March 10th, Region IV April 10th, Region V May 10th

I. A. A. - FFA Conference I was fortunate to attend the I. A. A. FFA Conference held in Normal, December 27-29, and came away inspired by the program speaking, workshops, entertainment, sports, banquet, dormitories and food

The aim of the 1962 Farm Bureau-FFA Conference was to provide an opportunity for FFA members to "Understand the principles which have been basic and dynamic in influencing the life of America through study and by seeing them at work in the American business world, so each might be motivated to promote our American Heritage whenever possible and defend it whenever necessary!"

About 300 FFA members and 18 vocational agriculture teachers were in attendance

Fellows, if you ever have a chance to attend this conference, go and take one of your FFA members. Believe me, it's an inspiration

Notes From Section 7 Reporter -- Ken Anderson The Shabbona FFA Chapter has a new approach on personal libraries. 40 of their members have purchased complete sets of the V. A. S. Units. The boys pay one-half and the chapter the other one-half. They have just received a new 3/4-ton G. M. C. truck.

It would be interesting to know how many chapters in the state have pick-up trucks, panel trucks, etc., and how they obtain the same. In other words, fellows, how do you get them?

"Quick Draw" Section 7 Chairman Fred Morris bagged a 4 point buck this past deer season in Illinois, too.

The Earlville FFA Chapter under the direction of S. S. Montooth finds that their Chapter was 25 years old in November. Gerald Hoffman, Earlville, placed 1st in the National 4-H Dairy Judging Contest.

Santa was real good to Mr. and Mrs. Ken Anderson of Ottawa, Kent, their 2 year old boy, got an 8lb. baby sister, December 21st. Florence and baby are doing fine, and no doubt Ken is walking lightly these days.

AIDS, February 1963





Hey Fellows! Read the December issue of "Electricity on the Farm " A mighty fine article with pictures on our colleague Ken Knell of Mahomet and his Ag boys is in the center section put in by Illinois Power Company.

Lloyd T. Clark Vocational Agriculture Teacher, Passes On Mr. Clark, vocational agriculture instructor at Olney for almost 37 years passed away suddenly suffering a heart attack.

As stated in a newspaper article "Mr. Clark has meant more to the citizens of Richland County than almost any other citizen during his long service of vocational agriculture instructor in the community." Nice words for a fine man.

Mr. Clark received the Honorary American Farmer Key 3 years ago and served in his community in many ways. During World War II he acted as principal. He also served as President of Olney Rotary Club, Commander of Richland Legion Post, and was an active member of the I. A. V. A. T. and N. V. A. T. A. and a member of the Olney Methodist Church.

One of the most difficult instruments to play is  
second fiddle.



This report was given at the N. V. A. T. A. meeting in Milwaukee.

### Illinois Report -- George Irvine, President

1962 has been a good year for Illinois Vocational Agriculture as well as the I. A. V. A. T. We of the Executive Committee feel that our various committees have functioned well.

#### I. A. V. A. T. Handbook Revision

The Handbook was developed to give each member a better understanding of the objectives, aims and responsibility of the officers and various committees of the association.

The Handbook will contain History, Constitution, Organization Setup, Executive Committee, Other Committees are Teacher Welfare, FFA Relations, Professional Relations, Profession Improvement, Public Relations, Program Coordination and Membership, subdivided into 21 subcommittees. All committees are guided by a Purpose, Responsibilities, and Activities to be performed.

Another activity which is being revised is the Vocational Agriculture Annual Supervised Farming Program Summary Report for High School Students sheet. The committee has 25 pilot schools using this form this year.

Another committee has been working on a leaflet "Your I. A. V. A. T. Works for You," which will be distributed at the June Conference.

Three other studies are being made in Illinois that should be of interest to all of us in vocational agriculture when they are completed:

1. Study of Area Vocational Agriculture Schools.
2. Study of Non-Farm Workers in Agriculture Business.
3. Study of Technical Education in area for Rural Areas.

This year Vocational Agriculture Service helped conduct a series of 5 Soil Fertilizer Short Courses throughout the state with 69% of the teachers in attendance supervised by the State Agricultural Education Department.

Another series of 5 district meetings on Public Relations and Reporting were held primarily for the FFA Reports.

1962-63 phase of the Illinois Program of Work in Vocational Agriculture was Farm Management--To give efficient farm management increased emphasis in the instructional program in vocational agriculture at all levels.

Some of the phases that were suggested--How we do business in America, importance of farm planning, Farm marketing, and Analyze courses of study to include farm management.

Phases for 1963-64 are to stress Guidance in Agriculture Occupations.

We vocational agriculture teachers in Illinois are very fortunate to have the coordination we have between the Agricultural Education Departments of the Universities, Vocational Agriculture Service and the State Agricultural Education staff.

Once each month there is a Joint Staff meeting with a member of the I. A. V. A. T. Executive Committee being invited to take part.

AIDS, February 1963



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TO: Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

Please send the following items:

| <u>No. of Copies</u> | <u>Price each*</u> | <u>Total Amount</u> |  |
|----------------------|--------------------|---------------------|--|
| _____                | 6¢                 | _____               | Income Tax Illustration Based<br>on the 1962 Farm Record Problem |

\*all prices are f. o. b. , Urbana, Illinois

Name \_\_\_\_\_ School \_\_\_\_\_



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# PRICE LIST OF FEEDS <sup>1/</sup>

January 21, 1963

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed   | Cost per bu., cwt.,<br>or tons in dollars |
|--|---|
| Corn, shelled, bu. . . . .   | 1.08                                      |
| Corn, ground shelled, bu. . . . .  | 1.18                                      |
| Corn, ground ear, bu. . . . .  | 1.18                                      |
| Oats, bu. . . . .  | .68                                       |
| Oats, ground bu. . . . .   | .77                                       |
| Barley, (feed) bu. . . . .   | 1.08                                      |
| Barley, ground or rolled, bu. . . . .  | 1.18                                      |
| Sorghum, grain cwt. . . . .  | 2.00                                      |
| Sorghum, grain, cracked, cwt. . . . .  | 2.10                                      |
| Garbage and kitchen waste, ton . . . . .   | 8.50                                      |
| Skim and buttermilk, cwt. . . . .  | 1.50                                      |
| Whole Milk, Grade B., cwt. . . . .   | 3.00                                      |
| Corn silage, ton . . . . .   | 12.00                                     |
| Sorghum silage, ton . . . . .  | 11.00                                     |
| Grass silage, ton  |   |
| No preservative added . . . . .  | 8.00                                      |
| Preserved with 70-100 lb. molasses . . . . .                                       | 11.00                                     |
| Preserved with 150-200 lb. ground corn . . . . .                                   | 13.00                                     |
| Clover and mixed hay) . . . . .  | 25.00                                     |
| Cowpea hay                    ) Prices quoted are for baled hay, per ton . . . . . | 20.00                                     |
| Soybean hay                   ) . . . . .  | 20.00                                     |
| Alfalfa                        ) Loose hay, \$5 less per ton . . . . .             | 25.00                                     |
| Timothy                       ) . . . . .  | 20.00                                     |
| Oat straw                     ) . . . . .  | 16.00                                     |
| Corn Stover, ton . . . . .   | 11.00                                     |

<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois, Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

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# VO-AG AIDS

Volume 21, Number 8  
March 1963

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

College of Agriculture Student Guest Day -- March 16 The College of Agriculture is holding its annual Ag Student Guest Day and Home Economics Hospitality Day on Saturday, March 16. Both programs will begin at 9 a. m. on the University of Illinois campus.

These campus visitation days are planned for all high school and junior high school students, their parents, teachers, and friends. The program will include admission requirements and procedures, information on program of study, career opportunities, and student life.

Visitors will see the various Agriculture and Home Economics buildings, laboratories and classrooms. Financial aids including scholarships, part-time jobs, and loans will be explained.

A detailed program of this event was sent in a direct mailing to all Illinois vocational agriculture teachers about February 22.

JWM/CDS

Errors on Listing Cards Our attention has been called to a second error on the set of new listing cards on various items available from Vocational Agriculture Service. This set of cards was sent out about February 1. One error was discovered in time to be noted on the letter that accompanied the cards. It referred to new card 936a which should be changed to 936b. It then should replace old card 936a. The second error is on the blue sheet which lists the code numbers of all cards in the complete set. Card 2405 should read 2405a. The card is numbered correctly, the sheet is in error. We are sorry for this error, but appreciate those teachers who wrote in to tell us about it.

JWM

Illinois Custom Spray School Manuals A copy of the "Fifteenth Illinois Custom Spray Operators Training School" is included in the March shipment of Agriculture Releases. Additional copies of the presentation summaries are available for sale at 75 cents each, f. o. b. , Urbana.

RLC

AIDS, March 1963



Landscaping Your Home. This is a 160-page book (Illinois Circular 858) offering detailed information for homeowners on ways to improve their landscaping. A single copy was included in the March Agricultural Releases. Additional copies are available at \$2.00 (\$1.92 plus 8 cents sales tax).

RLC

New Bulletins and Circulars We have received three new publications from the College of Agriculture in addition to Circular 858, noted above, since the mailing of the February AIDS. They are Circular 859 - Performance of Commercial Corn Hybrids in Illinois 1960-1962, Bulletin 689 - Timber Products Marketing in the Claypan Region of Illinois, and Bulletin 691 - The Relationship Between Central Market Egg Reports and Producer Prices in Selected North Central States. A copy of Circular 859 was included in the March shipment of Agricultural Releases. The other two, because of their technical nature or regional application, were not sent. They are available, however, on request. For out-of-state readers, the above publications are priced as follows: Circular 859 - 10 cents, Bulletin 689 - 20 cents and Bulletin 691 - 20 cents.

JWM

New Slide Sets Available on Loan March Agricultural Releases include descriptive literature announcing three new slide sets available on free loan from County Extension Visual Libraries. They are entitled "Controlling Johnsongrass", "Knowing Your Oats in Illinois", and "Wheat Production in Illinois". They are also available on loan from Audio Visual Aids, 704 S. Sixth Street, Champaign, Illinois, by payment of a maintenance loan fee. Teachers will have an opportunity to view these and other slide sets produced by the Extension Editorial Office and announced during the year at the June Conference. They can then be purchased through Vocational Agriculture Service if desired.

JWM

Plan for Farm Fallout Shelter and Storage. Included in the March Agricultural Releases is a plan for a Farm Fallout Shelter and Storage. This is U. S. D. A. Miscellaneous Publication No. 910. Copies for Agricultural Releases were furnished through the courtesy of Mr. O. L. Hogsett, Farm Safety Specialist, College of Agriculture, Urbana. If you did not get a copy and want one, you may send your request either to us or to Mr. Hogsett. Quantity copies may be purchased from the Superintendent of Documents, Washington 25, D. C. for 5 cents each.

JWM





Sheep Shearing Schools. Sheep Shearing Schools this year will be held as follows. March 26 and 27 at Lee County 4-H Center, Amboy; March 28 and 29 at the University of Illinois, Urbana; April 1 and 2 at Dixon Springs Experiment Station, Robbs; and April 3 and 4 at Dixon Springs Experiment Station, Robbs.

We will try to limit this school to older high school boys who have sheep projects or boys who are out of school but who do own sheep flocks and wish to learn. Enrollment fee will be the usual \$2.50 per boy, \$2.00 of which will be refunded to all boys who stay for the two days of the school. These enrollment fees must accompany the letter that notifies us that the boy intends to enroll in the school. The enrollment fee should be in the form of a check made out the the Sheep Shearing Fund, rather than to the University of Illinois. Since we always have more enrollments than we are able to accommodate, we will take enrollments on a first-come-first-served basis, and unless the enrollment fee accompanies the letter, the boy cannot be assured of a place in the school.

To expedite matters, vocational agriculture instructors should send enrollment direct to Professor G. R. Carlisle, 326 Mumford Hall, University of Illinois, Urbana, Illinois, and a copy to their farm adviser. Be sure to designate which school the boy wishes to attend since, in the past, we have received enrollments on which no school was designated.

As in the past, we will have a limited amount of used equipment for sale. This is slightly over half-price for shearing machines that have been used only one season plus about 60% of list price for new combs and cutters that have been used only in the Shearing Schools this year. This equipment will be available after the last Shearing School.

GRC/WHW

The Turning of a Century. Our attention has been called to a publication "The Turning of a Century" by George L. Mehren and published by Chas. Pfizer & Company. This publication deals with important changes that have taken place in modern agriculture in the past 100 years. It is available on request from Mr. Herbert L. Schaller, Manager Agricultural Public Relations, Chas. Pfizer & Company, Inc., 235 East 42nd Street, New York 17, New York.

JWM

Audio-Visual Survey. We have received 179 replies to the survey on audio visual aids. We appreciate the promptness and thoroughness with which they have been completed. If you haven't returned your survey form, please send it in as soon as you can. We need your suggestions for the audio-visual equipment display for the June Conference and we need to know the kinds of equipment you have in order to serve you better. Keep 'em coming.

RFE

AIDS, March 1963



Error in Income Tax Illustration Our attention has been called to an error in the 1962 Income Tax Illustration that was included with the February Agricultural Releases. On the cash basis, the figure of \$932.12 (instead of \$989.19) should be carried from Schedule D to Form 1040. This brings about changes to give the following in the various lines on page 1, Form 1040.

|         |           |
|---------|-----------|
| Line 7. | 932.12    |
| 9.      | 10,263.27 |
| 11b.    | 9,263.27  |
| 11d.    | 6,263.27  |
| 12.     | 1,297.92  |
| 14.     | 1,523.52  |
| 16.     | 1,358.32  |

We are sorry that this error occurred and hope that most of you have recognized it as an error if you have used the illustration in your class instruction.

JHH





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Placement Report. As of February 15, four schools have listed vacancies in vocational agriculture. One vacancy requires a teacher for immediate employment, and the other three are for positions to begin July 1, 1963. In addition to these Illinois vacancies, there are a few positions open for teachers of general agriculture or vocational agriculture in Arizona and California.

The supply of teachers for the 1963-64 school year is limited. The maximum number of beginning teachers from the University of Illinois who will be seeking teaching jobs this year will be 18. About 40 experienced teachers have asked to be put on the available list. All but five of these men are presently teaching in Illinois.

During the past five years some schools in Illinois have employed vocational agriculture teachers from other states or have secured men who were returning to teaching from other fields. The following table shows the demand for new teachers and the sources of supply --

THE DEMAND-SUPPLY SITUATION FOR  
VOCATIONAL AGRICULTURE TEACHERS  
ILLINOIS, 1955-62

| Year    | Total Placements | New Teachers Needed | Beginners Qualified in Illinois | Sources of New Teachers<br>Out of State | Other Fields | Returning Servicemen |
|---------|------------------|---------------------|---------------------------------|---|--------------|----------------------|
| 1961-62 | 79               | 51                  | 21                              | 10                                      | 13           | 3                    |
| 1960-61 | 67               | 47                  | 26                              | 5                                       | 7            | 2                    |
| 1959-60 | 87               | 62                  | 24                              | 10                                      | 19           | 5                    |
| 1958-59 | 59               | 43                  | 23                              | 4                                       | 10           | 5                    |
| 1957-58 | 60               | 44                  | 24                              | 3                                       | 7            | 10                   |
| 1956-57 | 80               | 54                  | 35                              | 9                                       | 4            | 6                    |
| 1955-56 | 87               | 48                  | 30                              | 4                                       | 4            | 10                   |

1. The difference between new teachers needed and sources of new teachers equals the number of schools without qualified teachers as of September 1.
2. In the past three years, 1959-62, only three of the 66 men qualified at the University of Illinois for vocational agriculture teaching took jobs in fields other than teaching, graduate school, or military service.

PEH



Student Teachers for Second Semester. Twelve senior students will be doing their student teaching this semester. Ten of the twelve men are former vocational agriculture students, and five of the group hold the State Farmer Degree. The names of the student teachers, high schools attended, years of vocational agriculture, and the names of their vocational agriculture teachers are shown below:

| Name           | Years of |                   | Vo-Ag Teacher    |
|----------------|----------|-------------------|------------------|
|                | Vo-Ag    | High School       |                  |
| Lanny Anderson | 4        | Cambridge         | Allen Utech      |
| Tom Hainline   | 0        | Western - Macomb  |                  |
| Larry Lowe     | 3        | Knoxville         | James Litchfield |
| James Manthe   | 4        | Kewanee           | James Golby      |
| Larry Melhouse | 3        | Farmington        | Steve Kingry     |
| Jim Munton     | 4        | Brimfield         | Frank Peterson   |
| Donald Nelson  | 1        | Magnolia-Swaney   | R. O. Hayes      |
| Don Sargeant   | 3        | Kempton-Cabery    | Joe Griffin      |
| Dale Schroeder | 3        | Unity-Tolono      | Don Coil         |
| Ken Thomas     | 4        | Mt. Auburn        | Willis McKinney  |
| Gene Weber     | 4        | Roberts-Thawville | Alan Thompson    |
| Roger Wenberg  | 0        | Batavia           |                  |

PEH

1963 Summer School. A brochure describing the four-week term for workers in agricultural education will reach all Illinois teachers of vocational agriculture soon. The course offering will include four courses in agricultural education, four courses in agriculture, and four courses in education. Look for this brochure and start planning to attend the 1963 summer school to work on your Master's Degree or an Advanced Certificate. New Programs in agricultural education being proposed by President Kennedy's Panel on Vocational Education will require teachers with considerable advanced education.

LJP

New Dimensions in Agriculture Education Book. The proceedings of the New Dimension Conference held in 1962 at the University of Illinois will be printed as a book. Many Illinois teachers have left orders for the book. Its wholesale price will be \$1.50. Since only one limited printing will be made, you should purchase all the copies you need now. One teacher plans to provide his administrators, board members, and advisory council members with copies. He has ordered twenty copies. To insure that Illinois teachers get the book at the \$1.50 wholesale price and to insure that Illinois teachers get first chance to purchase the book, we agreed to consolidate orders for the book. Cut out the following order form and mail it to us.

I \_\_\_\_\_ would like to purchase \_\_\_\_\_ copies of the book, New Dimensions in Agricultural Education, at the wholesale price of \$1.50 per copy. Please bill \_\_\_\_\_ for the books.  
 (mail to 103 Gregory Hall, Urbana, Illinois)

LJP





Ed. 449, Independent Study. A previous issue of the Newsletter advised regarding the possibility of Ed. 449, Independent Study. This course is not adapted to summer school work and we are not in a position to offer it during the summer. We will be pleased, however, to work with you on an independent study course during either the first or second semester or both. If you have a problem you would like to study in Ed. 449, please contact an Agricultural Education Division staff member for a form for outlining your problem.

LJP

Five Former Students Qualified. We have been informed that Russell Weger, teacher of vocational agriculture at Mulberry Grove, has had five former students of vocational agriculture qualify for teaching vocational agriculture. Four of his former students are now teaching. They are Arley Van Doren, Edward Voils, Ray Heldebrandt, and Ronald Smith. Dwight Heckert is a graduate assistant in the Agricultural Education Division, University of Illinois and plans to teach in 1963-64. R. V. Jurgens, Serena, has had four of his vocational agriculture students qualify to teach vocational agriculture. They are Robert Clark, Clarence Tipton, Neal Setchell and Ronald Hougas.

Do you know of anyone who can top the record of these two men.

LJP

Meeting for Vocational Agriculture Students Interested in Teaching Agriculture. At Agriculture Guest Day, March 16, a special section meeting will be held for vocational agriculture students and others interested in preparing themselves for a career in agriculture education. The meeting will be at 1 p. m. and at 2 p. m. in 313 Mumford Hall. Please advise your vocational agriculture students and others of this meeting and help them get to the meeting. We are depending on you so don't "let us down". Placement opportunities, course requirements, and other items of interest to new students at the University of Illinois will be discussed at the meeting.

LJP

Still Want Names. We would like to have the names of your seniors who are interested in preparing for a career in agricultural education. Many of you have sent us names of boys and we have sent letters to these boys, including copies to their teachers, offering them our assistance in making the transition from high school to college. We notice, however, that some of the teachers who sent us names last year have not as yet sent us names this year. We would like to hear from you. We would also like to hear from the teachers who have not sent us names in 1962 or so far in 1963.

LJP

| <u>Names of Seniors</u> | <u>Addresses</u> |
|-------------------------|------------------|
|                         |                  |
|                         |                  |
|                         |                  |
|                         |                  |
|                         |                  |

Signed \_\_\_\_\_

Vo-Ag Teacher

Address \_\_\_\_\_





# I AVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

### 30 Minute Club

Four more make the 30 minute club as of January. They are Allan Utech of the State Staff, Paul Hemp of the Agricultural Education Staff at the University of Illinois, Bob Howey of Sycamore, and Virgil A. Butler of Heyworth.

Thus far, I have the following listed as entitled to receive the 30 minute cards this year -- Arthur L. Schick, Sterling, G. O. Irvine, Tomica H. J. McPheron, Ashton Dr. Paul Hemp, University of Illinois, Allan L. Utech, State Staff Bob Howey, Sycamore, and Virgil A. Butler, Heyworth.

If you are entitled to receive a 30 minute card at the June Conference, please be sure to let me know before May 1.

### Enter the Aids Exhibit

Be sure to enter your teaching aid, gadget, form, etc., in the IAVAT Aids Exhibit at the June Conference.

Don't be afraid to let someone in on some of your trade secrets. It might help him become a better vocational agriculture teacher, too.

Vocational Agriculture Service will provide room for your exhibit at the designated location. So bring your aid with you to the June Conference.

Three prizes will be given during the IAVAT session on Wednesday. NASCO of Fort Atkinson, Wisconsin is providing the prizes.

Would the State Supervisors please keep their eyes open and encourage the teachers to bring their aids to the Conference.

AIDS, March 1963



## Dates to Remember

1. IVA Convention - Congress Hotel, Chicago - February 28-March 1 and 2
2. National FFA Week - February 16-23
3. IAVAT Committee Reports due -- to Bill Martinie or G. O. Irvine - April 1
4. State Farmer Applications due in Springfield - April 15
5. State FFA Foundation Awards - Urbana - May 4
6. State FFA Convention - Urbana - June 11-13
7. Conference for Vocational Agriculture Teachers - Urbana - June 18-20
8. State FFA Judging Contest - Urbana - June 25

## District 5 News

Sections 21 and 22 have found it advantageous for the two sections to get together on judging the FFA Foundation Award winners. This seems to be catching on in several areas in the state because sections 6 and 7 have been doing this for several years and also sections 3 and 5.

Are there other sections using this idea?

Section 23 is working on a proposed Shop Skills Section Contest, which will probably take the place of the Poultry and Grain Judging Contest. When this section gets the contest worked out, I am sure many of us would like to have a copy.

T. W. Clarida, who retired in 1961 after teaching vocational agriculture at Centralia for 44 years, is employed full time as Farm Loan Advisor at the Old National Bank in Centralia. "T. W." is enjoying his retirement.

Section 21 is another section that has monthly dinner meetings. Thanks Gowler.

## Another County Superintendent of Schools

Rollin Williams, vocational agriculture instructor at Salem for over 25 years, was elected as Marion County Superintendent of Schools. All wish Rollin success in his new position.

## Congratulations

Congratulations is extended to Gene Ackerman and Bob Dorch, vocational agriculture teachers at Lincoln, for Gene's being the First Place State Winner in the North Central Weed Control Conference Essay Contest.

AIDS, March 1963



## Help! Help!

We need a list of the vocational agriculture teachers who have taught 25 years in Illinois and who retired from teaching during the year 1962. Please send names to me by April 1.

## Let us Know

Your Executive Committee would appreciate any suggestions you might give us on how to make your IAVAT Association a more functional organization for the agriculture teachers in the state.

Let us hear from you. I am sure there are many ideas that should be brought to our attention.

## On the Ball

I understand the Chairman of the Foundation Awards Committee has called a meeting of his committee for February 9. That's the boy, fellows.

## Illinois Foundation FFA News

The Illinois Foundation FFA contributions are up for 1963 over \$1,000 from last year and there are over 100 more contributors this year. Congratulations to the willing workers.

## Business Wants Rural Life Knowledge

The Agricultural Education Department of the University of Illinois is conducting a study on Technical Agricultural Education in Business. Of the 275 interviews made thus far, the employer wants and needs employees who have rural life knowledge.

Some of the companies that can't find technically trained agriculture personnel are chemical & fertilizer companies, telephone companies, and those in Horticulture.

## Just a Couple of Suggestions

1. Be sure to return the survey Mr. Espenschied sent out to you on Visual Aids Materials in your School system.
2. You have already received the 1963 State FFA Judging Contest Rules. Plan to read the rules and especially the assignments made for the vocational agriculture teachers.
3. Here is another -- When the Farm Mechanics Guide, being prepared by a committee of Illinois Teacher-Trainers and Supervisors, comes out, be sure to have a sectional meeting and go over the guide on the sectional level.

AIDS, March 1963





## Things are Looking Up

1. Average vocational agriculture student enrollment is up.
2. Average vocational agriculture teacher's salary is up.

## Section 1 News & Views

On December 31, a group of FFA and 4-H members had their second Annual Bred Ewe Sale in the Forreston Vocational Agriculture Shop.

Those taking part and conducting the sale were Dean Finch of Forreston and Sherwood Jackson of Seneca; Harlan Rigney, Red Oak, helped Russell Jackson, Auctioneer.

Consigners to the sale read like a Who's Who of FFA and 4-H members.

Local firms provided trophies for the judging contest. The local banks clerked the sale. The Forreston Chapter set up pens, stapled catalogues, ran a lunch stand and cleaned up.

Cooperation in this activity seems to have been 100% throughout the community.

## Look Forward to it Next Year

Dean informs me we are missing a good bet and should take in the Farmstead Arrangement & Mechanization Workshop held in Champaign each year.

He says we could pick up a lot of good ideas for use in Farm Mechanization and Agricultural Economics.

## High Yields in LaSalle County

Congratulations to Fred Morris, vocational agriculture instructor at Mendota for having the State Funks 304 bushel challenge yield of 214 08 bushels and being third in the National Chapter Contest.

## A Few Gems from Exam Answers

1. Question - What is a Boston butt? - Boston butts are expanding
2. How do you make a pig creep? - Hit him on the back with a broom.
3. Who collects the income tax? - The Internal Revenue.

Many thanks to Dean Finch, Section 1 JAVAT Reporter.

## Are we Sowing the Right Seeds

Sow a thought, and you reap an act, Sow an act, and you reap a habit  
Sow a habit, and you reap a character; Sow a character, and you reap a destiny.

AIDS, March 1963



P. W. Proctor Passes

Mr. P. W. Proctor, former Supervisor of Vocational Agriculture, passed away on Saturday, February 16 at the Veteran's Hospital, Danville. Funeral services were held in Springfield on February 20. Mr. Proctor had retired in 1959 after a long period of service, first, as teacher of vocational agriculture at Bellflower and at Pittsfield and then as a State Supervisor. He is survived only by a son, Philip Proctor, who lives at 2601 Cherry Road, Springfield, Illinois.



## PRICE LIST OF FEEDS<sup>1/</sup>

March 21, 1963

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as a basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed                           | Cost per bu., cwt.,<br>or tons in dollars |
|--|---|
| Corn, shelled bu                       | 1 12                                      |
| Corn ground shelled, bu                | 1 22                                      |
| Corn ground ear bu                     | 1 22                                      |
| Oats, bu                               | 68  |
| Oats ground bu                         | 78  |
| Barley, (feed) bu                      | 1 11                                      |
| Barley ground or rolled, bu            | 1 21                                      |
| Sorghum, grain cwt                     | 2 00                                      |
| Sorghum grain cracked, cwt             | 2 10                                      |
| Garbage and kitchen waste ton          | 8 50                                      |
| Skim and buttermilk cwt.               | 1 50                                      |
| Whole Milk Grade B, cwt.               | 3 00                                      |
| Corn silage ton                        | 12 00                                     |
| Sorghum silage ton                     | 11 00                                     |
| Grass silage, ton                      |   |
| No preservative added                  | 8 00                                      |
| Preserved with 70-100 lb molasses      | 11 00                                     |
| Preserved with 150-200 lb. ground corn | 13 00                                     |
| Clover and mixed hay )                 | 26 00                                     |
| Cowpea hay )                           | 20 00                                     |
| Soybean hay )                          | 20 00                                     |
| Alfalfa )                              | 26 00                                     |
| Timothy )                              | 21 00                                     |
| Oat straw )                            | 18 00                                     |
| Corn stover ton )                      | 11 00                                     |

<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois, Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

University of Illinois · College of Agriculture

**434 MUMFORD HALL · URBANA, ILLINOIS**

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# VO-AG SERVICE

## Announcements & Notes

Booklist Being Revised. The Vocational Agriculture Service Book display is being brought up to date through our biennial check with leading publishers. Many new books have been received which will be displayed at the June Conference. A completely revised listing of books on agriculture and other subjects of interest to teachers will be included in the May shipment of AGRICULTURAL RELEASES. We are announcing it now so that you may know it is coming and may be useful in planning your book budget for next year.

JWM

Winter Short Course. The following communication was received from Warren K Wessles, Director of the Winter Short Course

"The Winter Short Course in Agriculture ended on March 15, 1963, with a record enrollment of 155 students. We want to express our thanks to the vocational agriculture teachers throughout the state who have been so influential in encouraging young men from their various communities to participate in the Short Course Program again this year. Short Course students were asked 'How did you hear about the Short Course Program?' Nearly 60% indicated that they had received information from their vocational agriculture teachers

"Your continued support of this program is sincerely appreciated."

WKW/JWM

Conservation Workshops Conservation Workshops for high school students will be held this summer according to information received from Mr. John Behrens, Supervisor of Conservation Education, State Department of Education, Springfield. The locations and starting dates of these week-long workshops are as follows:

|                                  |                  |
|----------------------------------|------------------|
| Illinois State Normal University | June 9           |
| Northern Illinois University     | July 7           |
| Southern Illinois University     | July 21, July 28 |
| University of Illinois           | July 21          |
| Western Illinois University      | July 7, July 14  |

Further details, including enrollment forms, were sent to AGRICULTURAL RELEASE subscribers in the April shipment. Others who are interested may wish to write to Mr. Behrens for this information. His address is Emerson Building, Springfield.

JWM



Wanted, Wisconsin Motor for Repair Parts One of our readers needs a single cylinder Wisconsin motor for repair parts. He prefers a model AKN but since most parts on models AK, AKS and AKN are interchangeable, he can use either one. The motor need not be in running condition - in fact it need not be complete. If your department has such a motor (or if you know where we can secure one) Vocational Agriculture Service would appreciate your notifying our office so we can pass the information on to our reader

If writing, please state price and also indicate model and serial number. Also please indicate parts that are broken or missing if motor is not complete.

JWM

Your Illinois Banks A booklet by this title is available from your local bankers. We have been notified by Mr. R. W. Chapman, of the National Bank of Decatur and chairman of the "Your Illinois Banks" committee, that vocational agriculture teachers can get a copy for each interested student by contacting their local bankers. Subheadings are: 1) What's a Bank? 2) Your Savings Accounts 3) Your Checking Account, 4) How Banks Make Loans and Loans Make Deposites, and 5) Government Regulation of Banks

JHH

Teaching Aids Exhibit - June Conference You have seen several notices of this exhibit which is being sponsored by your IAVAT President, George Irvine. George has already obtained prizes for this exhibit and displayed them at the IVA meeting. Vocational Agriculture Service would like to cooperate in any way possible to make this exhibit a success. In addition to providing a place for the exhibit we will (1) prepare plans and make duplicate copies available for any devices or gadgets that you will bring (2) duplicate any written materials - teaching plans or ideas, etc. In order to have these materials ready to be picked up at the Conference, we must have your original plans or written materials by May 15. Please send in the entry blank and urge others to do so as soon as possible.

JWM

(detach)

ENTRY BLANK - IAVAT TEACHING AIDS EXHIBIT - 1963 CONFERENCE

Name \_\_\_\_\_ School \_\_\_\_\_

Item(s) \_\_\_\_\_

For Devices or Gadgets - attach dimensioned plans, sketches, or photos.

For written materials - attach sample copy or whatever you wish to have duplicated.

(Return before May 15)

AIDS, April 1963



FFA Roadside Signs. Sets of FFA Roadside Signs will be ready after April 6 for those schools who ordered them, earlier in the school year, either as new sets or to replace sets in need of reconditioning. Lists of these schools follow:

| <u>New Sets</u>   | <u>Replacement Sets</u> |
|-------------------|-------------------------|
| Alexis            | Ashton                  |
| Ashland           | Bethany*                |
| DeKalb            | Brimfield*              |
| Elizabeth         | Cambridge*              |
| Fairbury          | Canton                  |
| Findlay           | Clinton                 |
| Kansas            | Dixon*                  |
| Lostant           | Galva*                  |
| Martinsville      | Genoa                   |
| Mason City        | Millegeville            |
| Monmouth (Warren) | Morton                  |
| Monticello        | Newark*                 |
| Orion             | Pittsfield*             |
| Ottawa            | Raymond* (Lincolnwood)  |
| Saybrook          | Thomson*                |
| Sheldon           | Williamsfield *         |
| Sidell (Jamaica)  |                         |
| Sterling          |                         |
| Westmer (Joy)     |                         |

Schools starred (\*) in the list above are those who, according to our record, have already delivered their old sets of signs to us. Others in the list to receive replacement sets should bring the old signs when they come after the new sets. Sets can be picked up at our building on Florida Avenue any week day after April 6 between 8 and 5 and on most Saturdays. It is safer however, to let us know if you wish to pick them up on Saturday. The signs can be shipped to you by United Parcel Service but we will not ship them unless you notify us to do so, indicating your willingness to pay the shipping charges.

JWM

Science and Engineering Weekend. On May 10 and 11 an event called "Science and Engineering Weekend" will be held on the University of Illinois campus for high school students. This event combines Engineering Open House, Junior Academy of Science, College of Veterinary Medicine Open House, and several other special attractions. Four sheets of information on this event were included in the April shipment of AGRICULTURAL RELEASES. You will receive other material from time to time by direct mailing. Your students considering careers in Agricultural Engineering or Veterinary Medicine may be especially interested in attending

JWM

Report of Farmstead Planning and Mechanization Conference. A compilation of papers prepared especially for Farm Structures Day and the Farmstead Planning and Mechanization Workshop was sent out in April AGRICULTURAL RELEASES. These events were held on the University of Illinois campus in December. Additional copies are available from the Department of Agricultural Engineering at \$1.00 each.

JWM



New Bulletins and Circulars. New publications from the College of Agriculture received since the mailing of the March AIDS include: Circular 860 - Law for the Illinois Farmer, Circular 864 - Pest Control in Commercial Fruit Plantings, Bulletin 690 - Remodeling the Bungalow Farmhouse, Bulletin 691 - The Relationship Between Central Market Egg Reports and Producer Prices in Selected North Central States, and Bulletin 692 - Organization and Operation of Illinois Grain Processors, Terminal Elevators, and Subterminal Elevators. The two circulars were sent in April AGRICULTURAL RELEASES. The bulletins were not sent but are available on request. Bulletin 690 carries a charge of \$1.00. For out-of-state readers, the above publications are priced as follows: Circular 860 - 25 cents, Circular 864 - 15 cents, Bulletin 692 - 15 cents. Bulletins 690 and 691 are also North Central Regional Publications and should be obtained from your own Land-Grant Institution.

JWM

National Junior Vegetable Growers Association. We are indebted to the thoughtfulness of Professor R. O. Lyon for the following announcement.

"The National Junior Vegetable Growers Association is an organization for young people interested in fruit and vegetable production. Anyone between 14 and 21 years of age can participate. The projects this year include the -

1. Production and marketing contest
2. Demonstration contest
3. Judging, grading, and identification contest

The production and marketing contest stimulates and encourages young people interested in growing and marketing horticultural crops. It requires detailed records of production practices, costs, profits, and marketing methods. Any 4-H or FFA member may enter this garden project in this contest. The national contest will be held in conjunction with the NJVGA convention in Pittsburg, Pa in December.

Enrollment cards and details on the project requirements can be secured from the State NJVGA adviser, R. O. Lyon, 412 Mumford Hall, Urbana, Illinois."

ROL/JWM

Slidefilm 462 - The Circular Saw, How to Use it Safely, has just been released and has been sent to all schools having advance orders for slidefilms. It has 58 frames, in color, and is available at \$3.67, f o b. Urbana. If you have an advance order and have not received your print of this slidefilm, please let us know

JWM

Budget Plans for 1963-64. The following information is included now especially for teachers who must submit budget requests in April for the next school year  
Agricultural Releases. The maximum cost for 1963-64 Agricultural Releases will again be \$15 plus postage. It appears that the cost this year will be considerably below this maximum figure so we





are prepared to guarantee that it will also stay below the maximum next year.

Advance Orders for New Units. As announced at the IVA meeting in Chicago, it has become necessary to increase the maximum cost per set of new units from \$1 which has prevailed for several years. This is caused partly by steady increases in costs of paper, labor, and other items; and partly by the fact that present plans indicate that more pages will be ready by fall than this past year. New price will not exceed \$1.25 per set, or for the minimum advance order of 10 sets, \$12.50.

Advance Orders for New Slidefilms. We will continue with the same guaranteed maximum price of \$25.00 for all new slidefilms issued during the school year 1963-64. Actual cost for the past two years has been considerably below this maximum figure.

JWM

Composite Orders. Shipments have been made filling all composite orders received during the period ending February 15 for the following items: Weed and Crop Slide sets, pH Soil Testing kits, Small Engine repair tools. If you have ordered any of these items and have not received them, please let us know. The order for Tractor Tune-Up items has not been received but is expected any day. They will be sent out as soon as possible.

JWM





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Placement Report Vacancies in vocational agriculture for the 1963-64 school year have already been reported by eight schools. Teachers of agriculture who plan to be in the job market should get their credentials activated immediately.

Twenty-five men will qualify, or have qualified, for vocational agriculture teaching this year at the University of Illinois. Ten of these men were placed in January or will not be available for teaching during the coming school year. If the demand for new teachers is about the same as it has been the past few years, we could be short 15-20 teachers next year.

PEH

Source Materials for Teaching Young Farmer and Adult Farmer Courses. A new publication "Fertilizers - Source Materials for Teaching Young Farmer and Adult Farmer Courses", by J. R. Warmbrod is being distributed in the April Agricultural Releases. This publication was prepared to aid teachers in organizing and teaching fertilizers to farmers enrolled in systematic young farmer and adult farmer courses. This publication includes a suggested list of problem areas for a course on fertilizers, a list of problems and suggested activities for each problem area, and a list of references. Teachers who do not receive Agricultural Releases should request a free copy of the publication from the Division of Agricultural Education, 103 Gregory Hall, Urbana.

JRW

Alpha Tau Alpha Initiates The following men who are preparing to teach vocational agriculture were recently initiated into Alpha Tau Alpha at the University of Illinois

| <u>Name</u>      | <u>Home High School</u>      | <u>Years of Vo-Ag in H.S.</u> | <u>Vo-Ag Teacher</u> |
|------------------|------------------------------|-------------------------------|----------------------|
| Robert Daniel    | Belvidere                    | 4                             | Dealas Witt          |
| Gerald Decker    | Unity                        | 4                             | G. Donavon Coil      |
| Robert Fuhr      | Aledo                        | 4                             | Earl Lutz            |
| Dennis Hackett   | Tuscola                      | 4                             | Wendell Schrader     |
| Russell Higgins  | Mt. Carmel                   | 2                             | Robert Irvin         |
| Donald Jenkins   | Dwight                       | 3                             | Fred Van Dyke        |
| Larry Lowe       | Knoxville                    | 3                             | James Litchfield     |
| Robert Lowe      | Colusa                       | 4                             | James O'Hara         |
|                  |                              |                               | Arthur Johnson       |
| Lynn Laible      | LowPoint-Washburn            | 4                             | Kenneth Condit       |
| James Munton     | Brimfield                    | 4                             | Frank Peterson       |
| Donald Nelson    | McNabb                       | 1                             | R. O. Hayes          |
| Wilford Rench    | Stonington                   | 4                             | Dale Barthel         |
|                  |                              |                               | Evan Allen           |
| Russell Hainline | Western High School (Macomb) |                               |                      |

PEH

AIDS, April 1963



The Winner? We have been informed that B. L. Finley, teacher of vocational agriculture at Benton, Illinois has had eleven former students of vocational agriculture qualify for teaching vocational agriculture. They are Cline McIntire, Kenneth Webb, Ronald Smith, Laurence Jones, Clarence Cox, Bill Payne, Kenneth Bolen, Carol Bolen, Arnie Greer, Bill Wilson and Kenneth Wilcox. Do you know of anyone who can top this record?

LJP

E370 Campus Meeting. A meeting will be held at the University of Illinois, Saturday, April 6, from 10 a. m. to 4 p. m. for those students enrolled in E370 who were unable to attend the complete workshop held last August, or who missed one of the small group meetings conducted during the Fall and Spring semesters. This meeting is open to any E370 student interested in attending and to those new teachers who are planning to enroll in E370 next fall.

GRF

Staff Members Participate in College Career Programs. Roy Dillon, graduate assistant in Agricultural Education, represented the Agricultural Education staff on the Woodford County Ag Careers Program held at Eureka High School on March 4. This was a county wide meeting for boys and their parents (grades 8 through 12) concerning career opportunities in agriculture. The program was planned cooperatively by the county superintendent of schools, the vocational agriculture teachers of the county, and the farm adviser and assistant farm adviser. Mr. Dillon met with the boys and their parents in grades 8-10 to discuss the topic, "What Courses Should I Take in High School?" Assistant Dean of the College of Agriculture, C. D. Smith, spoke to the approximately 80 persons attending on the subject "Opportunities in Agriculture"

Dr. Paul Hemp will participate in a Career and College Day Program at Cisne Community High School on March 29. Dr. Hemp will conduct discussion sessions for those students interested in agriculture and agricultural education.

JRW

Book, New Dimensions in Public School Education in Agriculture We announced last month the publication of the proceedings of the New Dimensions Conference held in 1962 at the University of Illinois. Teachers have sent in many orders. Cut out the following order form and mail it to us if you desire to order copies.

(Mail to 103 Gregory Hall)

I \_\_\_\_\_ would like to purchase \_\_\_\_\_

copies of the book, New Dimensions in Agricultural Education, at the wholesale price of \$1.50 per copy. Please bill \_\_\_\_\_ for the books.

LJP



Staff Participates in State, Regional, and National Meetings. The members of the Agricultural Education Division have represented the University of Illinois at three recent meetings. Dr. Lloyd J. Phipps attended the First National Seminar on Research in Vocational Education, conducted at Purdue University, February 24 through March 1. Dr. Phipps, Dr. J. Robert Warmbrod, and Gerald R. Fuller attended the Illinois Vocational Association Convention held February 28 through March 2, at Chicago. The North Central Regional Conference of Teacher Educators and Supervisors in Agricultural Education, held in Chicago March 11 through 15, was attended by Dr. Phipps, Dr. Krebs, Dr. Warmbrod, Dr. Paul Hemp and Gerald R. Fuller.

GRF

Two Members of the Staff to Attend Conferences During the Summer. Dr. J. Robert Warmbrod and Gerald R. Fuller will attend professional programs in Ohio and Minnesota this summer. Dr. Warmbrod will participate in a national seminar on "A Design for the Future" being held at the National Center for Advanced Study and Research in Agricultural Education, Ohio State University, July 22 through August 2. Gerald R. Fuller will attend a Summer Institute on The Farm Management - Business Analysis Approach to Teaching Vocational Agriculture, June 24 through 29, being conducted at the University of Minnesota in cooperation with the U. S. Office of Education.

GRF

Names Still Coming. Each week we are receiving names of boys in vocational agriculture interested in preparing to teach agriculture. If every teacher of agriculture in Illinois had a former student in college each year (either as a freshman, sophomore, junior, or senior) who was preparing to teach agriculture there would be no shortage of teachers of agriculture in Illinois. Do you have former students preparing to teach in the agriculture education curriculum? If you have not sent us the following form, please do.

-----

| <u>Names of Seniors</u> | <u>Addresses</u> |
|-------------------------|------------------|
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |

Signed \_\_\_\_\_  
 Address \_\_\_\_\_ (vo-ag teacher)

LJP







# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

### Did You Vote?

It was your privilege and duty to vote for the 1963 AVA President. Did you, and did you mark the Agriculture Education box? Hope you did, fellows.

### President Smith named to Committee.

Wenroy Smith, President of NVATA, has been named as one of the 12 members of the agriculture consulting group to the President's committee for Traffic Safety.

### Two AVA Convention Tapes Available.

If you weren't able to attend the AVA Convention in Milwaukee, you can order two tapes from AVA, 1010 Vermont Avenue, N.W., Washington 5, D. C.

One, given by Mr. Carl Humphrey, State Director of Agricultural Education, Jefferson City, Missouri, would give you a convention program summary--\$5.00.

The other, by Dr. Benjamin C. Willis, was given at the Opening General Session--\$7.50.

### No Change in National FFA Judging Contests this Year.

Mr. Damisch informs me that there will be no changes in the National FFA Judging Contests and that Bulletin No. 4 will remain in force throughout 1964.

### Notes from News and Views of NVATA.

According to the evaluation sheets turned in by the NVATA members at the Convention in Milwaukee, 90% of the ratings rated the convention sessions excellent or good, the remainder rating the sessions fair.

"Exchange of Ideas" Contest report indicated the continuation of the contest next year.

Three states in Region IV have over 100% of its members subscribing to our professional magazine "Agricultural Education". Kentucky leads with 167%. Ohio 111% and Missouri 104%. That leaves Illinois, Indiana, and Michigan with not all of its agriculture teachers receiving the Agricultural Education magazine.



### Any Additions or Corrections.

Here is a list of the vocational agriculture teachers who will be receiving the IAVAT Service Awards this year. If there are any corrections, let me know by May 1.

#### 10 year men

H. J. McPheron - Ashton  
John Garrison - Bardolph  
B. R. Littlefield - Broadlands  
Walter Monke - Columbia  
John Rundle - Cuba  
Ralph Gregory - Girard  
Chester Knight - Hardin  
Eldon Chapman - Herscher  
Paul Carey - Jerseyville  
Norbert Pohlman - LaHarpe  
Harold Huber - Little York  
Robert Tuttle - Malden  
Albert Liehr - Manito  
Lester Finder - Marengo  
Thomas Daley - Orangeville  
Carroll Johnson - Payson  
Gordon Sarb - Peotone  
Burton Shann - Sumner  
John Orcutt - Tiskilwa  
Carrol Darrow - White Hall  
Banta Bundy  
Jesse Keyser - Lawrenceville

#### 20 year men

L. E. Hunsley - Edinburg  
G. A. Zimmerman - Flora  
Myron Langhorst - Reddick  
Luther Martz - Windsor  
John Herbst - Urbana

#### 25 year men

H. T. Boes - Beardstown  
Loren H. Petty - Clay City  
LaVerne Baker - Franklin Grove  
John M. Olson - Kirkland  
George O. Irvine - Tonica  
Carl Miller - Lena  
Glenn Moore - Oneida  
Frank Young - Washington  
Charles Doty - Blue Mound

#### 35 year men

Wendell Schrader - Tuscola  
Herbert R. Damisch - Springfield

### What are They Doing?

We would like to hear from you -- what are some of the retired vocational agriculture teachers doing?

George Mercer, retired vocational agriculture teacher living in Mendota, taught in Mendota and Chillicothe for 30 years. He is lay leader in his church and an avid hunter, known as one of the best shots in the area and brought home his limit of pheasants several times this fall. Thanks Fred.

### Committee Chairmen Note --

Be sure to send in your committee reports to Bill Martinie, or yours truly, by April 1 so they can be bound for the June Conference. The date -- April 1.

### Vocational Agriculture Teachers Retire.

Vocational agriculture colleagues who have retired from teaching during 1962 are O. K. Loomis - Anna Jonesboro; G. L. Murray - Pontiac; Joseph Murphy - Dundee; E. J. Thompson - Harrisburg; Robert Murphy - Vandalia; and B. A. Tomlin - Rosville. We all wish you fellows a long and happy retirement. If there are any more fellows who have retired during 1962, please let me know by May 1.



### Note -- A New Policy.

The IAVAT Executive committee has approved a new policy in the collection of dues.

Please pay your 1963 dues at the June Conference during the Sectional meetings to your Sectional President.

Your dues are broken down thus -- AVA - \$5.00; IVA - \$.40; NVATA - \$3.00, IAVAT - \$3.10; and Agricultural Education - \$3.00, making a total of \$14.50. Illinois has the lowest dues of any state in Region II.

### Wanted - Teaching Aids

Do you have some aid that might help a fellow agriculture teacher do a better job? Sure you do -- bring it along to the June Conference and enter it in the IAVAT Aids contest.

### Congratulations is Extended to Mr. Hill.

Mr. Hill was honored at the 34th Annual IVA Banquet March 1 in Chicago. He received the 1963 IVA Citation. We in agriculture are well aware that Mr. Hill is deserving of this honor. Congratulations, Mr. Hill!!

### Fine Program at IVA.

Bill Martinie, IAVAT Vice President, provided us a fine program for the vocational agriculture section at the IVA Convention in Chicago.

Highlight of the sessions was the address given by the ex-vocational agriculture teacher, James Golby, Principal of Kewanee High School. Here is a copy of his speech. Be sure to read it.

#### Agriculture's Most Influential Power

Chairman Martinie, members of the executive committee, vocational agriculture teachers and guests. Last November I received a letter from an old classmate of mine, and your association vice-president. He told me that he was chairman of the committee for the agriculture section of the Illinois Vocational Convention. Bill explained that he need help, and that since I met all of the necessary qualifications for the job, he was putting my name on the program. The qualifications were as follows:

1. The association is short of funds and needs a cheap speaker who could fill a gap.
2. Vocational agriculture teachers were demonstrating by contrast and since he had some of the outstanding authorities, leaders and lecturers on the program, he felt I would be a definite contrast.
3. They couldn't afford music for the mid-morning nap but he felt my monotone would do the job.

After listing the qualifications, he said, "Jim, you are the best qualified man in the state for the job." It reminded me of a story I heard about a backwoods community which had a reputation for not keeping its minister more than three or four months. Finally the bishop sent a young preacher, and after two whole years he was still on the job. One day, surprised himself at the record he had established, the young preacher pressed the chairman of the board for an explanation. When he could no longer avoid it, the chairman explained "Well, I'd rather not tell you, but if you insist, here is the reason - we folks out here don't want a preacher a-tall; you are the closest we've come to it."



The topic assigned by Mr. Martinie was "Vocational Agriculture Through the Eyes of a Principal." This proved the fact that he didn't want information. I must confess how I received the title of principal. The board of education appointed a new city superintendent of schools in our district last summer and told him to put the school on the road to academic heights. Mr. Wood, within fifteen minutes after his appointment told the board he would like to renovate some of the departments and weed out the deadwood. Our superintendent, being a fair man, started alphabetically. Since he did not approve of Truman's method of handling the MacArthur case, he merely eased me out of the ag room into another corner of the school already being efficiently operated by two dedicated assistant principals, two deans and several guidance counselors and secretaries. My only instructions were, "Farmer, stay out of their way."

The loneliness in my private little den gave me time to be thankful for the fact that I would no longer have to rationalize for my shop program or my supervised farming activities. No longer would I be required to prepare programs of work, decide how to beat Alwood, Geneseo, or Rockridge in a parliamentary procedure contest, or suffer humiliation in public speaking from my relative in Neponset. Yes, I had retired in solitude and dignity. To my surprise, however, my new duties have their own mechanisms for recognition. I have now become the curse of the teachers, the dilemma of the janitors, the nuisance to the cooks, the tyrant to the busdrivers, the ungracious to the office staff, the warden to the students - the farmer who will bring ruin to our school, the scholastic who is the destroyer of athletics, the indecisive, the weak, the vacillatory, the unjust, the inexperienced, but one who can always receive condolence in having his epitaph written on the rest-room walls.

Seriously speaking, however, I feel like a three year old boy who has stepped into his father's shoes, there is much room for growth. Last summer, I was fortunate enough to attend a seminar of school administrators at the University of Iowa. These past eight months, I have had my first experience trying to learn to sit in a high school principal's chair. These two recent experiences have caused me to give considerable thought to vocational agriculture. It has lifted the veil behind which I have previously lived. It is true that vocational agriculture has been and is being attacked by other segments of the school family. Reviewing the history of vocational agriculture, we find that we lived on top of the world during the forties and forepart of the fifties, and during this time vocational agriculture teachers seemed to create envy in many schools throughout the land. These critics have lived to find some tools of retaliation. During this period of time we were the champions and could be selfish in our demand, arrogant in our manner, discriminating in our selection of students and independent in regard to our duties outside agriculture. Just as history caught up with the early Romans, the top-of-the-world feeling caught up with vocational agriculture. They found many of us out of condition for a real fight and moved in behind the orbital smoke of sputnik. We found ourselves having to counter-act.

1. Statistics proving that only 8% of our population is actually engaged in the production of food and fiber.
2. The cost of storing surplus farm commodities is prohibitive to the government. Why produce more?
3. Farm people, who have an inferiority complex about farm





- life and want their son to be a scientist, engineer or athlete at any cost and never a hayseed farmer
4. A defeatist attitude by farm people and a lack of respect for vocational agriculture.
  5. Non agriculture oriented guidance departments grew like weeds in many schools.
  6. Small student loads of vo-ag teacher are being compared with the 150 students of an English or history teacher.
  7. Salary schedules based on recommendations of several teachers.
  8. Some ag teachers have held sideline jobs while receiving pay from the school.

These facts and criticisms are coupled with a good memory by many administrators of days when ag teachers were making as much or more than they in salary.

Personally, I believe that these criticisms are good, not because they are true, but because they present a choice -- to wither and die on the vine or to accept the challenge and move ahead. Agriculture is not only a business, but also a way of life and the foundation of our democratic form of government.

The criticism of vocational agriculture has caused me to feel even stronger in my regard for agriculture in our high schools

First, vocational agriculture must take a positive view of the field of agriculture. Any feeling of self pity or defeat is a certain way to death. There is no field today which has such a firm foundation for a program of development of young men as vocational agriculture in our high school. There is no other teacher in the public high schools of Illinois so well-trained and well-prepared for his task in working with the young people as the vo ag teacher. Our teacher trainers in Illinois have been leaders in practically every phase of teacher training. In addition, they have followed our careers and have given us a helping hand at all times. We have been blessed with the state department second to none to promote our work in the field. We have been privileged to work with such great educators and leaders as Dr. Hamlin, Mr. Hill, Mr. Damisch, and the late Dr. George Deyoe. Vocational agriculture is condemned or praised only because of the local teacher of agriculture. There is no face in a school so influential, so liked or respected as the face of a good teacher of agriculture. What is a good teacher of agriculture? Personally, I may have failed in achieving this goal, but my ideal of a good teacher of vocational agriculture is the educational leader of his school.

1. First of all, an ag teacher must be a God-fearing man dedicated to young people, one who is willing to make every sacrifice to present to them a good example not only in agriculture, but in life. He must be something special not only to his boys but also to the entire student body.
2. He must not show envy or contempt for his fellow teachers. Instead, he must be professional and by his own good work, be the friend and confidant of his fellow teachers.
3. He must be as proud of a boy whom he has saved from a juvenile home as he is of the winner of the International Livestock Show, or the Star Farmer of America.



4. He will not point to the trophies on the wall and to the projects in the field until he can first show the best-mannered, most charitable and humble group of young leaders in the entire school -- leaders who are prepared with a philosophy of life which is compatible with the ideal of democracy and dedicated to the betterment of all mankind.
5. He will not pad a program of work to win a gold emblem award. He will be ambitious for such an award only if he has cultivated an understanding and an appreciation of the principles behind this program within the heart of every boy in his department.
6. He will be mild-mannered, well-groomed, and conservatively dressed at all times. His boys will follow his example.
7. He will not play favorites and will gladly devote as much time to a boy from the government housing project as he does to the son of a school board member who has a large farming program.
8. He is courageous and is willing to teach the values of the Farm Bureau, Grange and Farmers Union to his classes, although his board members might be members of the National Farmers' Organization.
9. He teaches his students the art of humility through his own work. He is always interested in seeing that his boys get the credit. They make the public appearances while he remains anonymous in the background.
10. He expects loyalty and respect from his boys and provides them with a good example by giving loyalty and respect to his co-workers, and administrators, and students.
11. He encourages his students to be fervent in pursuit of additional knowledge through his own never-ending program of professional improvement.
12. He encourages fair dealings with others through his own firmness and fairness in discipline and in dealing with the public.
13. He encourages manliness and manners by making these golden qualities a vital part in his everyday living.
14. His boys think positively toward agriculture influenced by his own inner philosophy of agriculture.
15. He thinks of vocational agriculture as an experience which trains boys not only for farming but also for agriculture industries. He visualizes an ever-growing program of vocational agriculture.
16. He is a trainer of adults. He will have an advisory council, but never will these activities be conducted at the expense of his boys. Rather, they will be key factors in improving his high school instruction.
17. He expects a fair day's work from each boy. He will always be punctual in his work and will give an accurate account of his time for the number of months employed. He will not slight his boys by selling go-carts on the side, nor will he bring pressure upon his boys to buy from him.



18. He does not have a job, but a profession. He, like a dedicated physician, is on call at all times.
19. He is a part of the school and seizes every opportunity to help all the students. He accepts his duties as a chaperone, as a ticket taker and as a substitute coach, not as an extra burden, but as an additional opportunity to help young people.
20. He does not complain about getting all the poor students. Instead, he sees each student as a creature of God with whom he is pleased to work.
21. Probably the most important of all attributes is that he accepts a boy from the tenement district of his city as the equal of one from the farm. He is aware of the importance of a project program but he places boys first, and uses a project program only as a means of building a better individual. He takes the attitude, "you get me the boy and we will find a suitable project." He is proud to be overloaded with students, and does not regard an increased enrollment as a chance to hire an assistant, but rather as a challenge to give greater service to more people. He does not try to discriminate against city boys by shuffling them off to a non-vo ag course. Rather, he recognizes the failure of non-vo ag and realizes that the only way to develop a truly effective philosophy of agriculture in America is through vocational agriculture. A successful project program might be found in a roof top garden in the city as well as in a three hundred acre farm. He sees that vocational agriculture has only scratched the surface in the State of Illinois, and foresees the day when vocational agriculture will be a respectable and integral part of the curriculum in every high school in the State of Illinois, because the future of farming lie in the hands of all the people.
22. He looks upon the Future Farmers' of America as the greatest youth movement today and devotes his energies to making it available to every boy. Through his guidance he makes every boy proud to be a member of his chapter.
23. He has a public relations program which reaches into the heart and homes of every person in his district. His name may never appear in headlines, nor will he be the head of every organization in town. Instead, he is known through the respect his students have held for him as a token of their appreciation for a job well done. Headlines fade away, but devotion shown to young people will be transformed into a way of life for generations to come.

Edwin Carlile, in his poem, "If I Could", wrote:

"If I could know, when each day dies, I had brought joy to tired eyes;  
 If I could know, when falls each night, I'd helped to make some child's life bright,  
 If I could know, at set of sun, The fruit of some good deed I'd done;  
 I'd count my life of grander mold, Than if I'd simply gathered gold."

Very few of us will ever be this ideal teacher, but I know of no group which will ever come closer than you, the teachers of vocational agriculture. You may brand me a quitter, who has learned to do, but isn't doing to learn. This is true, and I admit it readily. I assure you, however, I have passed the baton in the race to an able, ambitious and dedicated young anchor man who has already been the model for the corps of young teachers in our school.



Any weeds of criticism planted in the field of a good local teacher of agriculture will only be turned under to serve as fertilizer to nurture the growth of his work in developing not only a more secure program of agriculture, but an intelligent, honest, devoted, and energetic group of leaders dedicated to the preservation of the American way of life.

#### Fred S. Russell Sr. passed away.

Mr. Russell of Okawville, retired vocational agriculture teacher, was well known in agriculture circles in both Missouri and Illinois. He was one of the first 7 vocational agriculture teachers in the state of Missouri. He retired after 15 years as vocational agriculture teacher at Okawville.

While at Okawville as vocational agriculture instructor and G. I. instructor, the area literally expanded in agriculture productivity by leaps and bounds.

#### District II Has Dinner Meeting.

The District II FFA Foundation Executive Committee had their luncheon meeting in Streator February 28

All sections of District II were represented with 26 in attendance. Following the luncheon, Robert Fry of McLean County Bank, Bloomington, chairman of District II, conducted a business meeting.

During the meeting a 30 minute program over Radio WIZZ, Streator was given.

#### Notes from Section 15

The following are hints or teaching techniques which we of Section 15 wish to share with other teachers of the state in the hopes that by such trading of ideas each of us can improve our departments. We recognize that some of these ideas may be used by other departments and that some are small and would never reach the professional papers. We submit these as suggestions and would like to see other sections mention ideas they feel would be of value.

1. Klaus and Higgs of Carlinville put their course outline on a series of 5 x 8 cards at the beginning of each school year so each class can see what the other is covering. They say it also helps them in avoiding duplication in their classes.

2. Fortschneider of Jacksonville has the general setup used in teaching electricity but has added a long box made of 1 x 10's between the two end panels. Each student has a section of this box and a circuit to wire the various wiring exercises. Holes can be drilled and boxes can be mounted as would be under normal installations.

3. Pierce of Winchester uses the services of another agriculture teacher in teaching adult welding. He feels this gives an added boost to both departments. This could also be effective in a field in which a teacher felt less competent but in which such a course has been requested.

Section 15 has the distinction that few other sections in the state have had -- that of having one of its vocational agriculture instructors join the ranks of the County Superintendents of Schools.

Chester Knight from Calhoun Community Unit District 40 was elected County Superintendent of Schools in Calhoun County in the November election and will take office in August of this year.





Chester graduated from the University of Missouri in 1951 and taught in Centerville, Iowa, for one year. He was offered the position at Hardin, his home area, and has been teaching vocational agriculture there for the past eleven years. He received his Master's Degree from the University of Illinois in 1958. Chester has been quite active in vocational agriculture, FFA, and various community activities, and it is with regret that the teachers of Section 15 see him leave the profession. We believe, however, that such advancements should receive recognition and the teachers wish him much success in his new position.

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Men are like tacks.  
If they have a good head,  
and are pointed in the  
right direction.



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| Slidefilm 462 - The Circular Saw, How to Use it Safely . . . . .    | 4 |
| Teaching Aids Exhibit - June Conference. . . . .                    | 2 |
| Wanted, Wisconsin Motor for Repair Parts. . . . .                   | 2 |
| Winter Short Course. . . . .  | 1 |
| Your Illinois Banks . . . . .                                       | 2 |



# PRICE LIST OF FEEDS<sup>1/</sup>

March 21, 1963

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed  | Cost per bu., cwt.,<br>or tons in dollars |
|---|---|
| Corn, shelled, bu. . . . .                              | 1.12                                      |
| Corn, ground shelled, bu. . . . .                       | 1.22                                      |
| Corn, ground ear, bu. . . . .                           | 1.22                                      |
| Oats, bu. . . . .                                       | .66                                       |
| Oats, ground, bu. . . . .                               | .76                                       |
| Barley, (feed) bu. . . . .                              | 1.11                                      |
| Barley, ground or rolled, bu. . . . .                   | 1.21                                      |
| Sorghum, grain cwt. . . . .                             | 1.94                                      |
| Sorghum, grain, cracked, cwt. . . . .                   | 2.04                                      |
| Garbage and kitchen waste, ton. . . . .                 | 8.50                                      |
| Skim and buttermilk, cwt. . . . .                       | 1.50                                      |
| Whole milk, Grade B., cwt. . . . .                      | 3.00                                      |
| Corn silage, ton . . . . .                              | 12.00                                     |
| Sorghum silage, ton . . . . .                           | 11.00                                     |
| Grass silage, ton                                       |   |
| No preservative added . . . . .                         | 8.00                                      |
| Preserved with 70-100 lb. molasses. . . . .             | 11.00                                     |
| Preserved with 150-200 lb. ground corn. . . . .         | 13.00                                     |
| Clover and mixed hay ) . . . . .                        | 25.00                                     |
| Cowpea hay                   ) Add \$5 per ton. . . . . | 20.00                                     |
| Soybean hay                   ) for baled hay . . . . . | 20.00                                     |
| Alfalfa                         ) and straw . . . . .   | 25.00                                     |
| Timothy hay. . . . .                                    | 20.00                                     |
| Corn stover, ton . . . . .                              | 11.00                                     |
| Oat straw . . . . .                                     | 18.00                                     |

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<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois  
Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

University of Illinois · College of Agriculture

**434 MUMFORD HALL · URBANA, ILLINOIS**

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# VO-AG AIDS

EDUCATION

MAY 8 1963

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Volume 21, Number 10

May 1963

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education





# VO-AG SERVICE

## Announcements & Notes

Agricultural Releases for 1963 - 64. The last mailing of Agricultural Releases for 1962-63 (May) will reach you in a few days. In that mailing a form has been included for those wishing to order 1963-64 Releases. Your subscription to Agricultural Releases does not continue from year to year; you must reorder each year if you wish to continue receiving the Releases.

A copy of the order form is also included with this issue of the AIDS. The form also provides space for advance orders of new units and new slidefilms for 1963-64. Please note that the deadline for Agricultural Release subscriptions and advance orders is October 1, 1963.

Bulletins and Circulars from the College of Agriculture. Four circulars have been received since the last issue of the AIDS. They are: Circular 862 - Ventilation for Swine; Circular 863 - Camping Grounds: A Farm Recreation Business Opportunity; Circular 865 - Feeder Pig Production in Illinois and Circular 866 - Balancing Swine Rations. Single copies of Circulars 862, 865, and 866 have been sent to Agricultural Release subscribers in the May mailing. Out-of-state readers desiring quantities of these publications may obtain them at the following prices per copy:

Circular 862 - 5¢  
Circular 863 - 5¢

Circular 865 - 10¢  
Circular 866 - 10¢

JWM

1963 Swine Day Presentations. A copy of the presentations made on Swine Day, held at the University of Illinois on March 19, has been sent in the May Agricultural Releases. If you did not get a copy, or want an additional copy, you may wish to contact us or the Animal Science Department directly. The supply is limited, however.

JWM



1963 Cattle Feeders' Day Presentations. A copy of the presentations made on Cattle Feeders Day at the University of Illinois on April 5 has been sent in the May Agricultural Releases. You may also wish to contact us or the Animal Science Department if you did not receive a copy or want an additional copy.

JWM

New Book List Available. A copy of our new book list "Information Concerning Books in Vocational Agriculture Service Offices, 1963-64" was sent to all Agricultural Release subscribers in the May issue. This publication lists all of the books that publishers have placed in our office display for your examination and review. Up-to-date information on prices and sources is also included. A few additional copies are available for those who wish to order them at our printing cost of 25 cents each, f. o. b. Urbana.

JWM

Summer Ram and Ewe Consignment Sale. Through the courtesy of Dr. U. P. Garrigus, Animal Science Department, we have the following information:

"The 19th Annual Summer Ram and Ewe Consignment Sale of purebred sheep will be held in the Stock Pavilion on Friday, June 28. This sale is sponsored by the Illinois Purebred Sheep Breeders' Association, and provides an opportunity for viewing a variety of breeds and individuals within the breed at one location, and in this respect can serve as an educational opportunity.

"Any who are interested in sheep are welcome to attend".

UPG/JWM

Teaching Aids Exhibit - June Conference. Since the first announcement last month several entries have been received for the teaching aids and gadget display to be held at the June Conference. Vocational Agriculture Service is willing to prepare plans and make copies available for any devices or gadgets that you wish to bring, and to duplicate any written materials, teaching plans or ideas. George Irvine, President of IAVAT, has secured prizes for this exhibit. Please detach and fill in the entry blank today.

JWM

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ENTRY BLANK - IAVAT TEACHING AIDS EXHIBIT - 1963 CONFERENCE

Name \_\_\_\_\_ School \_\_\_\_\_

Item(s) \_\_\_\_\_

For Devices or Gadgets - attach dimensioned plans, sketches, or photos.

For written materials - attach sample copy or whatever you wish to have duplicated.

(Return before May 15)

AIDS, May 1963



Conservation Workshops. This is a repeat of the announcement made in the April AIDS concerning the conservation workshops for high school students to be held this summer, as follows:

|                                       |                  |
|---------------------------------------|------------------|
| Illinois State Normal University      | June 9           |
| Northern Illinois University (closed) | July 7           |
| Southern Illinois University          | July 21, July 28 |
| University of Illinois (closed)       | July 21          |
| Western Illinois University           | July 7, July 14  |

For further information, please write to John Behrens, Supervisor of Conservation Education, Emmerson Building, Springfield, Illinois

JWM

Slidefilm 464 - The Radial Arm Saw - How to Use it Safely, has been released and sent to all schools having advance orders for new slidefilms. It is in color, has 61 frames, and is available at \$3.74, f. o. b. Urbana. This film was sent to advance order subscribers along with Slidefilm 462 which was announced in the April AIDS. If you have an advance order for slidefilms and did not receive these slidefilms, please let us know.

JWM

One-Day Course in Farm Surveying This course is to provide the training necessary to qualify teachers to use the Vo-Ag Service loan kits of surveying equipment which will be placed in the odd numbered sections during the school year 1963-64. It is being arranged specifically for those who for some reason were not able to attend the course given in their own sections.

The course will be held Friday June 21, the day after the June Conference closes.

If you wish to enroll, please fill out the registration blank below and return it to Vocational Agriculture Service before May 15, 1963. At that time we will send specific information regarding starting time, etc., to those who have enrolled.

This course can still be given on a sectional basis if six or more teachers request it and agree on a suitable time and place. The course on June 21 is for individuals in sections where there is not sufficient demand for a course to be given locally or for those who prefer to attend here.

RFE

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I wish to enroll in the one-day course on Farm Surveying to be held at Urbana on Friday, June 21, to qualify me to use the loan kit of surveying equipment.

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Teacher

---

School

AIDS, May 1963



University of Illinois Experimental Field Meetings. Vocational agriculture teachers, their students, and others interested in experimental field meetings are welcome to attend any of the following:

| Date         | Field        | County     |
|--------------|--------------|------------|
| June 11      | Brownstown   | Fayette    |
| June 12      | Carlinville  | Macoupin   |
| June 13      | Toledo       | Cumberland |
| June 14      | Newton       | Jasper     |
| -----        |              |            |
| June 20      | Agronomy Day | Champaign  |
| July 1       | DeKalb       | DeKalb     |
| August 1     | Carbondale*  | Jackson    |
| -----        |              |            |
| September 4  | Brownstown   | Fayette    |
| September 5  | Toledo       | Cumberland |
| September 6  | Oblong       | Crawford   |
| -----        |              |            |
| September 10 | Aledo        | Mercer     |
| September 11 | Carthage     | Hancock    |
| September 12 | Clayton      | Adams      |
| September 13 | Hartsburg    | Logan      |
| -----        |              |            |
| September 17 | Elwood       | Will       |
| September 18 | Dixon        | Lee        |

\*The field at Carbondale is operated cooperatively with Southern Illinois University

RLC

Beef Cattle Suggestions and Your Hog Business. These pamphlets have each been split this year. AS 377, Your 1963 Hog Business - Ration Suggestions and AS 377a, Your 1963 Hog Business - Management Suggestions replace Your 1962 Hog Business that was printed last year. AS 367, 1963 Beef Cattle Feeding Suggestions and AS 367a, 1963 Beef Cattle Management Developments replace the 1962 Beef Cattle Suggestions.

A single copy of each of the four pamphlets is being included in the May Releases. Additional copies are available from Vocational Agriculture Service or the Animal Science Department of the College of Agriculture. There is no charge for these pamphlets.

WHW

Beef Equipment Plans. This is the title of the latest publication in the Midwest Plan Service series on farm equipment. It contains 72 pages of plans and other information of interest to beef cattle raisers and feeders. A copy of this publication was sent to Agricultural Release subscribers in the May issue. Others may obtain a copy for \$1 00 from Vocational Agriculture Service or direct from the Department of Agricultural Engineering.

JWM





Scholarships for High School Seniors. A number of \$300 cash scholarships are still available to high school seniors who rank in the upper one-fourth of their graduating class. These scholarships are available to those who need financial assistance and who plan to enter the College of Agriculture, University of Illinois this fall. Requests for application should be made immediately to C. D. Smith, Assistant Dean, College of Agriculture, Urbana, Illinois.

CDS/JWM

Audio-Visual Survey. The response from the Illinois teachers to the survey has been excellent. We have returns from 201 schools at the present time.

The results of this survey will guide us in preparing teaching materials. At the bottom of the form is a section regarding equipment you might like to see demonstrated at the 1963 June Conference.

The list of schools below includes those from whom we have received replies (April 22, 1963). If your school is not included, please fill out the enclosed survey form. We need your reply to be of better service to you.

RFE

|   |  |   |   |
|---|--|---|---|
| <u>Section 1.</u><br>Byron<br>Galena<br>Leaf River<br>Mt. Morris<br>Oregon<br>Polo<br>Stillman Valley<br>Warren | <u>Section 5.</u><br>Brimfield<br>Dunlap<br>Eureka<br>Glasford<br>Granville<br>Henry<br>Metamora<br>Minonk<br>Princeville<br>Roanoke<br>Sparland | <u>Section 8.</u><br>Beecher<br>Braidwood<br>Coal City<br>Dwight<br>Lockport<br>Mazon<br>Minooka<br>Oswego<br>Plano | <u>Section 12.</u><br>Astoria<br>Avon<br>Easton<br>Hopedale<br>Mackinaw<br>Manito<br>Mason City<br>Minier<br>Pekin<br>San Jose<br>Washington  |
| <u>Section 2.</u><br>Erie<br>Lanark<br>Morrison<br>Paw Paw<br>Port Byron<br>Sterling<br>Thomson                 | <u>Section 6.</u><br>Burlington<br>DeKalb<br>Genoa<br>Marengo<br>McHenry<br>Poplar Grove<br>St. Charles<br>Woodstock                             | <u>Section 9.</u><br>Cullom<br>Fairbury<br>Gridley<br>Pontiac   | <u>Section 13.</u><br>Griggsville<br>Liberty<br>Mendon<br>Pittsfield  |
| <u>Section 3.</u><br>Atkinson<br>LaMoille<br>Neponset<br>Wyanet   | <u>Section 7.</u><br>Earlville<br>Lostant<br>Mendota<br>Rochelle<br>Serena<br>Shabbona<br>Somonauk<br>Streator<br>Tonica                         | <u>Section 10.</u><br>Clifton<br>Crescent City<br>Gilman<br>Herscher<br>Kempton<br>Manteno<br>Milford<br>Sheldon    | <u>Section 14.</u><br>Ashland<br>Athens<br>Atlanta<br>Buffalo<br>Elkhart<br>Hartsburg<br>Illioopolis<br>Lincoln<br>New Berlin<br>Williamville |
| <u>Section 4.</u><br>Abingdon<br>Alexis<br>Sherrard<br>Williamsfield<br>Yates City                              |  | <u>Section 11.</u><br>Augusta<br>Bowen<br>Colchester<br>Dallas City<br>Hamilton<br>Macomb<br>Warsaw                 |   |



Section 15.

Bunker Hill  
Carlinville  
Franklin  
Gillespie  
Hardin  
Jacksonville  
Palmyra  
Roodhouse  
Staunton  
Virden  
Winchester

Section 16.

Bement  
Blue Mound  
Cerro Gordo  
Clinton  
De Land  
Downs  
LeRoy  
Maroa  
Monticello  
Niantic  
Saybrook  
Wapella

Section 17.

Champaign  
Homer  
Paxton  
Roberts  
St. Joseph  
Tolono

Section 18.

Bismarck  
Fithian  
Metcalf  
Paris  
Rossville  
Sidell

Section 19.

Assumption  
Findlay  
Morrisonville  
Nokomis  
Raymond  
Shelbyville

Section 19. (con't)

Sullivan  
Taylorville  
Tower Hill  
Windsor

Section 20.

Altamont  
Casey  
Dieterich  
Effingham  
Martinsville  
Mattoon  
Newton  
Oblong  
Teutopolis  
Toledo

Section 21.

Centralia  
Farina  
Mt. Vernon  
Odin  
St. Elmo  
Vandalia  
Waltonville  
Woodlawn

Section 22.

Alton  
Aviston  
Edwardsville  
Highland  
Lebanon  
Marissa  
Mascoutah  
Okawville  
St. Jacob  
Trenton  
Waterloo

Section 23.

Allendale  
Bridgeport  
Flora  
Lawrenceville  
Mt. Carmel  
St. Francisville

Section 24.

Campbell Hill  
Christopher  
Dongola  
Gorham  
Tamms

Section 25.

Dahlgren  
Eldorado  
Galatia  
Golconda  
Joppa  
Metropolis  
Norris City  
Ridgway  
Vienna





## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Placement Situation. The placement season is well under way with 30 schools listing vacancies in vocational agriculture as of April 15. The University of Illinois will qualify 25 men for vocational agriculture teaching this year, but only 12 of these graduates will be available for placement for the 1963-64 school year. Of the remaining 13 graduates, two were placed in teaching positions in January, five plan to continue their education, and six plan to enter military service, farming, or other occupations.

At this time 50 experienced teachers have asked to be placed on the active list. All but eight of these men are presently teaching vocational agriculture in Illinois.

PEH

Student Teachers for the Second Semester. Twelve senior students are participating in the student teaching program from March 25 - May 10, 1963. Cooperating teachers for the second semester are as follows:

|                 |                         |
|-----------------|-------------------------|
| Virgil Foster   | Henry High School       |
| Carl McCausland | Lewistown High School   |
| James Leming    | Mattoon High School     |
| Eldon Aupperle  | Warren School, Monmouth |
| Keith Wehner    | Rochelle High School    |
| Glen Curl       | Rochelle High School    |
| Robert Howey    | Sycamore High School    |

On April 16 and 17, cooperating teachers will be attending a conference on campus to discuss problems and procedures involved in the student teaching program.

PEH

Cisne Career and College Day. Dr. Paul Hemp participated in a Career and College Day at Cisne High School on March 29, 1963. Four group sessions were held on agricultural careers and college program with over 60 students attending. Mr. Gene Buhrmester, Vocational Agriculture Teacher at Cisne, assisted with the group sessions for agriculture.

PEH



Ag. Guest Day at University of Illinois. Many vocational agriculture teachers brought high school students to Ag. Guest Day on March 16. Kenny McMillan, National FFA President, was one of the morning speakers. Interest group sessions were held in the afternoon. Twenty-five students attended the session on Agricultural Education, Agricultural Extension, and Communications.

PEH

Graduate Assistantships. The Agricultural Education Division, University of Illinois, still has two half-time and one quarter-time graduate assistantships that remain unfilled for the 1963-64 school year. If you are interested in a graduate assistantship to work toward a Master's degree, an Advanced Certificate in Education, or a Doctor's degree, contact Lloyd J. Phipps, 103 Gregory Hall, Urbana, for application forms and details.

LJP

Plans for Ed. 477. Education 477, Field Studies Course for Experienced Teachers, will be offered in District V, which includes Sections 21, 22, 23, 24, and 25, the first semester of 1963-64. This course is offered in each District of the State once every five years. The course involves eight class meetings, scheduled for completion before most teachers start their adult farmer courses, plus individual instruction. An enrollee studies in the course, with the advice and assistance of the instructor and the other enrollees, a problem that concerns him.

Some problems studied recently have been:

1. Redesigning course offerings to meet needs of off-farm agricultural workers.
2. Redesigning courses to meet needs of the academic talented.
3. Determining courses to offer for farm boys and girls, non-farm boys and girls, college-bound boys, and other groups.
4. Planning content of adult farmer or young farmer courses.
5. Reorganizing farm mechanics instructional program.
6. Working with advisory groups.
7. Replanning content of high school courses.
8. Designing programs to increase enrollment in agriculture.
9. Developing supervised practice programs for college-bound pupils, pupils with limited opportunities or talents, and pupils interested in non-farm agricultural employment.
10. Implementing recommendations of President Kennedy's Panel of Consultants.





The attendance centers for the course will be selected as soon as the teachers who plan to enroll are tentatively identified. Attendance centers will be located as near as possible to those who enroll.

Any experienced teacher or other person interested in agricultural education is eligible to enroll.

Credit for the course is one-half unit. This credit may be applied toward a Master's degree or the Advanced Certificate in Education. If a teacher is not interested in credit or is not eligible for credit, he may enroll as an irregular student. Since the course is a 400-level course, credit may be transferred to most other institutions.

Other persons in addition to experienced teachers of agriculture who might be interested in enrolling are administrators, guidance directors, farm advisers, assistant farm advisers, advisory council members, teachers of adults and directors of vocational education. If the area selected for study is too extensive for a half-unit course, arrangements may be made to complete the study in Education 449, Independent Study. Lloyd J. Phipps will teach the course.

If you are interested in enrolling, please mail the following information to us as soon as possible. If you know of others in District V who may be interested, urge them to inform us of their interest.

LJP

MAIL TO: Lloyd J. Phipps, 103 Gregory Hall, University of Illinois,  
Urbana, Illinois

-----  
1. I plan to enroll in Ed. 477

NAME \_\_\_\_\_

POSITION \_\_\_\_\_

ADDRESS \_\_\_\_\_

2. Preferred night for meeting (rank 1, 2, 3, 4, in order of preference)

\_\_\_\_\_ Monday

\_\_\_\_\_ Tuesday

\_\_\_\_\_ Wednesday

\_\_\_\_\_ Thursday





# I A V A T NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of the President

## George's Gleanings

### Get them Dusted Off!

Bring your teaching aid, gadget or idea to the June Conference. A display space will be provided to let everyone get an idea of what some of our fellow teachers are using to make their job easier and more meaningful to their students.

NASCO has provided three beautiful trophies for the winning Aids. These awards will be presented at the second general session of the IAVAT meeting on Wednesday.

### Have You an Assignment?

Check your 1963 State FFA Judging Contest bulletin to be sure you haven't overlooked your assignment at the contest on Tuesday, June 25.

### Legislation:

News and Views of NVATA.

At this time, it is too early to know what will happen in the legislature area that will be of concern to vocational agricultural education. In his Budget Message to Congress, President Kennedy had the following to say about vocational education:

"Vocational Education programs must also be expanded and modernized, and better teaching materials and curricula developed. Increased Federal assistance for vocational training should assist persons of all age groups to obtain training facilities and opportunities for technicians to assist scientists, engineers, and the medical profession, should also be expanded."

I hope the President realizes that Agriculture is a part of the vocational program.

It has been brought to my attention that Mr. Freeman, our Secretary of Agriculture, says that too much money is being spent on vocational agricultural education.

It might be well for you to keep your officials informed about your agriculture program.

AIDS, May 1963



### Thought You Might be Interested.

Remember the donation you gave to the fine Kansas State Mens Glee Club at the Convention in Kansas City? Well, we just found out the total amount collected was \$436.00.

### 23,000,000 jobs.

In Washington, D. C., from April 15 through May 15, on the Patio of the Department of Agriculture Administration Building, there has been prepared an exhibit of what today's agriculture offers young people in the way of good career opportunities not only in modern farming and ranching, but in science, industry, and government.

This will be the first time for an exhibit of this type to be on display in Washington.

### Dues!!

Don't forget to bring a blank check with you to the June Conference -- our dues are to be paid at this time.

Sectional Chairmen should collect the dues at their Sectional Meetings on Tuesday, June 18.

During the 1963 IAVAT second general session Wednesday, we will have a 100% Lighting Ceremony -- Section Chairmen who have 100% dues paid at this time will be asked to light his section on the map which will be on display at the Conference.

Let's have all lights lit by the end of this year's Conference. We can do it!

### Dates to Keep in Mind.

May 3 -- Finals of Extemporaneous Public Speaking Contest and Semi-finals of the Prepared Public Speaking Contest, 1:00 - 5:00 p. m., Rooms 442 and 426 Mumford Hall, University of Illinois

May 4 -- State FFA Foundation Awards Meeting in Urbana

June 11-13 -- State FFA Convention -- Assembly Hall, University of Illinois

June 18-20 -- June Conference for Vocational Agriculture Teachers -- Illini Union Building - Urbana, Illinois

June 25 -- State FFA Livestock Judging Contest -- University of Illinois

### A Note From Missouri.

A letter was received from the Secretary-Treasurer of the Missouri Vocational Agriculture Teachers Association endorsing Mrs. Buena Stoberg for President of the NEA this year.

### Recommended Reading.

The March issue of the Agricultural Leaders Digest has several articles we in vocational agriculture should read. One of the articles entitled "Should Your Son Choose a Career in Agriculture" is especially good.

AIDS, May 1963



### Proposal to Amend the IAVAT Constitution.

The following proposal was received from District III and will be voted upon at the June Conference.

The proposal was stated thusly -- Amend article VI, Section 3, of the Constitution of the IAVAT which reads "Directors shall be elected by the members present at the annual meeting and shall serve for a period of two years" -- by striking out "two years" and inserting "three years".

The purpose of amending Article VI Section 3, as presented is to provide more continuity in the position of district directors. The first year is spent mostly in becoming acquainted with the duties of the office while the second year, the outgoing year, is the time when most work can be accomplished in directing and coordinating the work of the committees for which each director is responsible, as well as becoming a more effective executive committee participant.

During the third year the director would be in a more favorable position to enhance the activities of the association through judgment secured from the two preceding years work in service, particularly in those areas of policy making after having become acquainted with their respective colleagues in their districts and with the state personnel in Agricultural Education who work with the IAVAT.

### News from Section IV.

Section IV held a Leadership Training School at Williamsfield with Guilinger in charge.

At their January meeting, Aledo was selected as the site for the 1963 Section IV Fair. Fred Schaper will act as Fair Manager.

Several FFA Chapters in Section IV acted as rural solicitors for the 1963 Heart Fund Drive.

### State FFA Foundation Ex-committee Meets.

Fourteen attended the State FFA Foundation meeting at a luncheon in Springfield, March 29.

Highlight of the meeting was the presentation of a plaque to W. Clifford Lant, who has been chairman of the committee for 1962 by State FFA Reporter Kent Slater.

Mr. W. B. Trenchard of Deland, a member of the committee, gave us a thumbnail sketch of the agriculture conditions in some of the countries he visited on his world tour just completed.

### FFA Safety Programs.

The National Safety Council under a grant from the Farm Equipment Institute will again make available to FFA Chapters the Safe Corn Harvest and Safe Farm Power Use Programs.

AIDS, May 1963





### How Did you Get it Done?

I am speaking of the Canton Daily Ledger dated Tuesday, February 19, 1963 which I received from Fred Russell.

The complete issue was made up of pictures, stories, and congratulatory messages about the Canton, Fairview, Astoria, Farmington, Table Grove, Cuba, and Avon FFA Chapters.

This issue was a salute to the Future Farmers of America and their advisors upon the occasion of National FFA Week.

I still say - how did you get it done?

### Keep Yourself Informed.

A separate vocational education bill has been introduced in the House by Congressman Carl D. Perkins (D) of Kentucky. It has been suggested to write to your Congressman today for a copy of this bill H. R. 4955 - "Vocational Education Act of 1963".

### The Gleanings Have Been Gleaned.

This is it! The last of the kernels you have had to put up with for the past year.

I wish to thank those who sent in news. You don't know how helpful it was to receive those items from time to time. Also, may I take this opportunity to thank you and you for the help given me during the past year. I do appreciate it.

### Dedicated Agriculture Teacher Retires.

Mr. Walter Baysinger, Streator agriculture teacher for 30 years retires this year. Mr. Baysinger started his agriculture teaching in 1920 at Arcola for 7 years, then removed to Martinsville for 6 years and has been in Streator ever since.

Happily married for 41 years, Mrs. Baysinger wonders what it will be like to have Walter home at nights after being an Ag widow for so many years.

What are Walter's Vo-Ag boys doing? Ninety of them are operating farmers in the Streator area, 18 have graduated from Agriculture College, 3 have graduated from Engineering College.

Taking vocational agriculture in high school didn't seem to hold these fellows back who took Ag. under Walter for 4 years. His first Streator FFA president is now a Colonel in the Air Force and is in charge of building a missile base in Kansas. Another is a Veterinarian in a New York Vet. College, one is an Agricultural Engineer designing farm buildings, a district manager of International Harvester, a Farm Adviser, a herdsman at the University of Arizona and so on -- not hurt a bit by taking vocational agriculture.

Walter was IAVAT President in 1927-28, is a member of Alpha Tau Alpha, Gamma Sigma Delta and in 1961 received the American Legion Citizenship Award at Streator.

AIDS, May 1963



Mr. Baysinger (continued)

For 10 years he had a teacher-training program for the University of Illinois. For 16 years he carried on Veteran Programs in Streator and was one of the first teachers to use the students project program as basis for class room teaching. This gave Walter an opportunity to present his method of teaching to vocational agriculture groups in Illinois, Iowa, Minnesota and Alabama.

Mr. Baysinger has had 16 State Farmers and 3 American Farmers while at Streator, also he has taken his FFA boys on 10 - 12 summer trips.

We are certainly losing a dedicated vocational agriculture teacher, but we wish Mr. and Mrs. Baysinger a long and happy retirement which is well deserved.

Section 7 vocational agriculture teachers are having a dinner the 27th of April for Mr. and Mrs. Baysinger and also for Mr. and Mrs. Art Meadors who is also leaving the vocational agriculture ranks this year. Sherwood Jackson of Seneca is in charge of arrangements.

\*\*\*\*\*

1962 University of Illinois Ag. Short Course Scholarship Winner Report

My name is Gail Ritchie, 1962 FFA scholarship winner from Section 9 in McLean County. I'm a graduate of Octavia High School and former 4-year member of the Colfax Chapter of Future Farmers of America and held offices of Chapter Secretary and President. I was also on the dairy judging team three years, soil judging one year, Electrification winner, DeKalb award winner and Mechanics award winner. I owned 10 head of purebred Polled Milking Shorthorns and carried crop and electrification projects.

February 5 to March 15 proved to be both a valuable and exciting experience for me as a short course student at the University of Illinois. And of the other 105 boys and men of 18 to 46 years of age and 1 young lady I'm sure I could say the same thing for them. A total of 20 courses were offered in the fields of Agriculture, Economics, Agricultural Engineering, Animal Science, Dairy Science and Veterinary Hygiene. Most students took from 4 to 6 courses depending on the interests and ability. I took courses in Farm Management, Gas Engines and tractors, Farm Building, Agronomy and Dairy Science.

Our instructors were regular professors and doctors that are on the University Staff and experts in their fields who also teach the full time students. As you get acquainted and associate with these people, you find they are just plain great guys, who will take time to discuss problems or talk informally any time they can.

Except for those few who commuted, everyone stayed in residence halls on campus as most regular students. We short course students were all in one residence house with one counselor as one big happy family, but we were mostly on our own and everything worked out pretty good.

We were treated as any other college student and in turn had to abide by the rules and regulations that were set. We could and did attend many campus athletic performances and



activities. Also we had an organized basketball team within our group that was great fun, at least after we got over our soreness.

Had it not been for the short course, I'm sure I wouldn't have experienced what college life was like, but as it is, I, along with many others of my same situation do know. Also we obtained a vital up to date education on subjects that strictly interest us, that of farming and agriculture so we will be better able to keep the United States the agriculture king of the world, thus making it a world leader.

I would like sincerely for the Illinois FFA Foundation to keep up its good work and support as this is what it takes for things such as this to keep going. I would like all vocational agriculture teachers to encourage graduating FFA members who cannot attend college full time to attend this course as it will be most gratifying, as well as educational.

\*\*\*\*\*

Gail liked the 1962 Winter Short Course so well that he was back for the 1963 Winter Session.

We were in hopes that more fellows would send in testimonials about the Agriculture Short Courses.



TEAR SHEET

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TO: Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

Please send the following:

\_\_\_\_\_ AS 377, Your 1963 Hog Business-Ration Suggestions -- free

\_\_\_\_\_ AS 377a, Your 1963 Hog Business-Management Suggestions -- free

\_\_\_\_\_ AS 367, 1963 Beef Cattle Feeding Suggestions -- free

\_\_\_\_\_ AS 367a, 1963 Beef Cattle Management Developments -- free

\_\_\_\_\_ Beef Equipment Plan @ \$1.00 ea.

\_\_\_\_\_ New Book List "Information Concerning Books in Vocational Agriculture  
Service Offices - 1963-64 @ 25¢ each

\_\_\_\_\_ Slidefilm 462, The Circular Saw - How to Use it Safely - \$3.67 ea.,  
f. o. b. Urbana

\_\_\_\_\_ Slidefilm 464, The Radial Arm Saw - How to Use it Safely - \$3.74 ea.,  
f. o. b. Urbana





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## PRICE LIST OF FEEDS<sup>1/</sup>

April 21, 1963

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as a basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid

| Kind of feed  | Cost per bu., cwt.,<br>or tons in dollars |
|---|---|
| Corn, shelled, bu . . . . .   | 1.12                                      |
| Corn, ground, shelled, bu . . . . .                                   | 1.22                                      |
| Corn, ground ear, bu . . . . .  | 1.22                                      |
| Oats, bu . . . . .  | .64                                       |
| Oats, ground bu . . . . .   | .74                                       |
| Barley, (feed) bu . . . . .   | 1.10                                      |
| Barley, ground or rolled, bu . . . . .                                | 1.20                                      |
| Sorghum, grain cwt . . . . .  | 1.98                                      |
| Sorghum, grain, cracked, cwt . . . . .                                | 2.08                                      |
| Garbage and kitchen waste, ton . . . . .                              | 8.50                                      |
| Skim and buttermilk, cwt . . . . .                                    | 1.50                                      |
| Whole milk, Grade B., cwt . . . . .                                   | 3.00                                      |
| Corn silage, ton . . . . .  | 12.00                                     |
| Sorghum silage, ton . . . . .   | 11.00                                     |
| Grass silage, ton   |   |
| No preservative added . . . . .                                       | 8.00                                      |
| Preserved with 70-100 lb. molasses . . . . .                          | 11.00                                     |
| Preserved with 150-200 lb. ground corn . . . . .                      | 13.00                                     |
| Clover and mixed hay ) . . . . .                                      | 25.00                                     |
| Cowpea hay            ) Prices quoted are for baled hay/ton . . . . . | 20.00                                     |
| Soybean hay           ) . . . . .                                     | 20.00                                     |
| Alfalfa                ) Loose hay, \$5 less per ton . . . . .        | 25.00                                     |
| Timothy               ) . . . . .                                     | 20.00                                     |
| Oat straw             ) . . . . .                                     | 18.00                                     |
| Corn stover, ton . . . . .  | 10.00                                     |

<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois  
Urbana, Illinois

| <u>Pasture Rates*</u>         | <u>Cost per day</u> |
|-------------------------------|---------------------|
| Calves and colts, 6-11 mos.   | \$.06               |
| *Cattle and colts, 12-24 mos. | \$.09               |
| *Cattle, 24 mos. and older    | \$.12               |
| Lambs to weaning              | \$.01               |
| Sheep - yearlings and mature  | \$.025              |
| Pigs, 50-100 lbs.             | \$.0025             |

\*Full fed cattle on pasture, reduce by 2/3

\*Limited fed cattle on pasture, reduce by 1/3

**VOCATIONAL AGRICULTURE SERVICE**

University of Illinois · College of Agriculture

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# VO-AG AIDS

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Volume 22, Number 1  
August 1963

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

Agricultural Releases, Advance Orders for Units and Slidefilms. Included in this issue of the AIDS is a blank for those who have not yet placed their order for Agricultural Releases, advance orders for new units and slidefilms, and who wish to do so. Many teachers filled out one of these forms at the June Conference and left it with us. If you are in doubt, however, please send this form back and we will check carefully to avoid duplication. Note that your order must reach us before October 1.

The titles of the new units which will be released early in the fall are as follows:

| <u>Unit No.</u> | <u>Title</u>                                      | <u>No. Pages</u> |
|-----------------|---|------------------|
| 1001a           | Caring for the Sheep Breeding Flock               | 8                |
| 1002a           | Artificial Insemination of Livestock              | 8                |
| 1035            | Cattle Grubs                                      | 4                |
| 1036            | Feeds and Feeding Swine                           | 12               |
| 2006a           | Choosing Specific Crops to Grow                   | 12               |
| 2007a           | Making Estimates of Crop Production and Its Value | 8                |
| 2008a           | Record Keeping on the Farm                        | 8                |
| 2035            | Balancing the Labor Supply and the Farm Business  | 8                |
| 2036            | Simplifying Farm Work                             | 16               |
| 2037            | Setting Up Farm Records to Provide for Analysis   | 8                |
| 3003a           | Electrical Wiring - Fundamentals and Planning     | 24               |
| 3016            | Electrical Wiring - Procedures and Exercises      | 24               |
| 4004a           | Testing Soils for Potassium                       | 12               |
| 4008a           | Recommended Potassium Fertilizers                 | 8                |
| 4045            | Handling and Using Agricultural Chemicals         | 12               |
| 4046            | Growing and Selling Christmas Trees               | 12               |

### SPECIAL NOTICE

With each copy of this issue of the AIDS (other than copies being sent to vocational agriculture instructors in Illinois) is a card to fill out and return if you wish your name kept on our mailing list for the 1963-64 school year. Cards should reach our office by August 20 if you wish to be certain of receiving all copies during the remainder of the school year.





Revision of Electrical Loan Kits. As was announced at the Conference, the loan boxes of electrical wiring supplies are being revised, as are also the instructional materials and exercises that accompany them. It appears now that they will be ready for scheduling about October 1. We hope this may not seriously inconvenience those schools who are planning to use the box right after school opens.

The following changes in procedure were discussed and approved by the Advisory Board on June 17.

1. Teachers will specify on the loan agreement form the numbers of tools that they wish to have sent with the box. In the past they have specified the number of students in the largest class for which the teaching unit was planned.
2. Subject-matter units, including wiring exercises and copies of the Code may be ordered with the box but will become the property of the school and will not be returned. After the first time it is assumed that schools will not need to reorder these items unless they wish additional copies. New subject-matter materials except the Code will be sent to schools having an advance order but we will check this against the loan agreement order to avoid duplication.
3. Approved solderless connectors will be available on a sale basis for those schools that wish to use them with the wiring exercises and may be ordered on the loan agreement form.

Since we have had many requests for the loan agreement form before it was ready, two copies are being included with this issue of the AIDS for those who desire them.

JWM

Beware of Certain Fire Extinguisher Deals. The following warning was received from Mr. O. L. Hogsett, Farm and Home Safety Specialist of the College of Agriculture-FFA Chapters should not be "taken in" by money-making projects being proposed by certain manufacturers of the small "beer can" type fire extinguishers. Organizations may make a profit -- as advertised -- but they will be doing their communities a dis-service by selling such "protection". The extinguisher is too small to be effective and it does not carry the Underwriters Laboratory seal of approval. If you wish to take part in such profit-making community service projects, contact the numerous reliable fire extinguisher companies.

OLH/JWM

Changes in our Addressograph Plates. We have attempted to make necessary changes in our addressograph plates according to information we have received about changes in teachers, etc. Please check the address on your copy of this issue of the AIDS and notify us if there are errors in the spelling of your name or in the address so that we can correct our plates if necessary.

JWM



Extramural Graduate Courses in Agriculture. We have received the following information from Dean Karl E. Gardner:

Listed below are the proposed extramural course offerings for the College of Agriculture for the first semester 1963-64:

| <u>Course</u>                                | <u>Instructor</u> | <u>Place</u> |
|--|-------------------|--------------|
| Ag. Ec. E302 - Financing Agriculture         | Holcomb           | Bloomington  |
| Ag. Ec. E303 - Agricultural Policies         | Thompson          | Pekin        |
| Ag. Ec. E332 - Livestock Marketing           | Broadbent         | Belleville   |
| Ag. Eng. E331 - Management of Farm Machinery | Butler            | Paris        |
| Ag. Eng. E381 - Farm Electrical Equipment    | Olver             | Effingham    |
| Pl. Path. E377 - Diseases of Farm Crops      | Hocker            | Freeport     |

A list of 22 teachers desiring the Plant Pathology course in the Forreston-Freeport area was received from the Chairmen of Sections 1 and 2 at the June Conference so this course is practically assured. It will be helpful if teachers interested in the other courses will send their names to us or directly to Dean Gardner as soon as possible. Further information will be given in the September AIDS regarding dates and times of first meetings.

KEG/JWM

FFA Roadside Signs At their annual meeting on July 19, the FFA Foundation Board of Trustees authorized a limited amount of funds to be used for reconditioning sets of FFA Roadside signs on a first-come-first-served basis. If your chapter wishes to have your set of signs repainted, send us your request before October 1 using the tear sheet in this issue of the AIDS if you wish. We will then contact you individually regarding the slogan, location, returning of the old signs, etc. Expense for reconditioning is borne by the Illinois Foundation FFA so there is no expense involved to the school unless individual signs are missing or damaged beyond repair. In this case, a charge of \$1.00 per sign will be made. We already have the names of the following schools on the waiting list so they need not reply unless there is some change of plans.

|             |           |
|-------------|-----------|
| Armington   | Pekin     |
| Bismarck    | Rochester |
| Bowen       | Salem     |
| Brussels    | Streator  |
| Dallas City | Ullin     |
| Eldorado    | Waterman  |
| Gillespie   | Winnebago |

JWM

Research Progress Report. We have received a copy of the 1960-62 report of Research Progress at the Illinois Experiment Station. This biennial publication reports on research in progress on various phases of agriculture. A single copy is available to schools on request.

JWM



Dairy Holders' Contest. Sixteen boys participated in the Dairy Holders' Contest at the time of the Dairy Judging Contest. They were:

|                               |                            |
|-------------------------------|----------------------------|
| Bill McKinney - Neoga         | Paul Pyatt - Pinckneyville |
| David Hemmer - Huntley        | Leroy Scherr - Fairbury    |
| Mitchell Welsh - Palmyra      | Marvin Siefker - Crete     |
| Richard Reils - Crete         | Glen Mills - St. Elmo      |
| Mike Arnold - Clinton         | Jim DeMay - Annawan        |
| Ronnie Frieden - Taylor Ridge | David Zwicker - Sherrard   |
| Norman Schwing - Burlington   | Dana Woodruff - Burlington |
| Ronnie Meyers - Manteno       | David Groslar - LaSalle    |

The winners were:

Paul Pyatt - Pinckneyville (First)  
David Hemmer - Huntley (Second)  
Leroy Sherr - Fairbury (Third)

WHW

State Judging Contests 208 schools (1272 boys) participated in the State Judging Contests last June 25. There were 174 teams in Livestock, 133 teams in Dairy, 33 teams in Poultry, and 41 in Grain.

The winners were:

Farmer City - Livestock  
Mt. Carroll - Dairy  
Lena-Winslow - Poultry  
Seneca - Grain

The Mt. Carroll team will represent Illinois in the National Contest at Waterloo, Iowa on September 30. Farmer City and Lena will participate in their respective contests at Kansas City, Missouri on October 9 for Poultry and October 10 for Livestock. There is no National Contest for Grain.

WHW

Plain Facts of Mechanized Feeding. We have received a publication entitled "The Plain Facts of Mechanized Feeding" which was written by Professor Frank Andrew of the Department of Agricultural Engineering for the New Holland Machine Company. This booklet discusses the important steps to take in planning for mechanizing livestock feed handling on the farm and is well illustrated. You may obtain copies of this booklet in quantities for classroom use by writing to Mr. John Rankin, Jr., Product Group Advertising Manager, New Holland Machine Company, New Holland, Pennsylvania.

JWM



Judging Contest Scores and Ribbons. The judging ribbons were mailed June 27 to all schools that participated in the June 25 contest (except some for dairy). Through a mistake in our judging ribbon order, we ran out of dairy ribbons. We have re-ordered and have been promised delivery by the middle of July. As soon as they arrive, your dairy ribbons will be sent. We are sorry for the delay.

WHW

Orders for Extension Service Slides and Slidefilms. Teachers who signed to receive sets of slides or double-frame slidefilms that were displayed on the automatic projector at the Conference may expect to receive them by September 1 or before. Orders were placed immediately after the Conference and we expect delivery on them any day. They will be sent as soon as possible after we receive them.

JWM

Composite Orders. A composite order form is included in this issue of the AIDS. Orders received between now and October 15 will be placed at that time and will be shipped as soon as we receive the items and can fill the orders.

JWM

National Jr. Guernsey Show. Included in this issue of the AIDS is information regarding the National Junior Guernsey Show held in connection with the National Dairy Cattle Congress at Waterloo, Iowa, September 28 to October 5, 1963. Teachers desiring more information may write to Mr. R. D. Stewart, Secretary, American Guernsey Cattle Club, Peterborough, New Hampshire.

WHW

Meat and Milk Judging Contest. Saturday, September 21 is the date for the 1963 state meat and milk judging contest. There will be a card in the September AIDS for you to return if you are planning on attending. This is not a preregistration but a means of determining the amount of milk samples to prepare. Please return the card promptly if you plan to attend.

WHW

Illinois Farm Record Problem and Key. The 1962 problem and key is available for use again for the coming year. This is in line with our current practice to prepare a new problem every two years. "Analyzing the Farm Business", included in the intensive summer courses in Farm Management, can be used as an analysis problem to go with the problem and key, if you choose to do so.

JHH





Farm Bureau-Farm Management Annual Summary. This report will again be available this year in the form of an extension circular. Results from northern and southern Illinois will be included under the same cover. When the circular becomes available, an announcement will be carried in the AIDS. Agricultural Release subscribers will receive a copy the same as they do when any circulars become available.

JHH

### POLICIES AND PROCEDURES

Once each year it has been customary to review some of the important policies and procedures of Vocational Agriculture Service as they relate to our efforts to serve teachers of vocational agriculture.

Open Accounts. Again for 1963-64 we have set up an open account for each school in Illinois having an approved vocational agriculture department. We will do the same for out-of-state schools that sign up for an Agricultural Release subscription. The following apply to open accounts.

1. Orders totalling less than \$10.00 will be placed on open account.
2. Whenever the total charges on open account reaches \$10.00 or more, a statement will be sent to the school.
3. If an order totals \$10.00 or more, a statement will be sent with the order and all open account charges to date will be included.
4. A statement for Agricultural Release charges and advance orders for slides/films will be sent near the end of the school year, after the last items have been sent. Any accumulated open account charges pending at that time will also be included.
5. Schools whose orders total less than \$10.00 for the year will receive a statement for whatever amount is due near the end of the school year.

Payment of Accounts. Unless otherwise directed, statements will be sent to the vocational agriculture instructor. We shall appreciate your submitting these statements to the proper authority for payment promptly. We assume that in most cases school authorities expect you to verify that shipment has been received and that billing is correct. Checks should be made payable to the University of Illinois but sent to Vocational Agriculture Service. If the original statement is sent with the check, we will receipt it and return it to you. Otherwise, a duplicate statement will be receipted and sent. We realize that a month or longer may elapse between the time you submit the statement and we receive payment. Long delays, however, cause us problems with the auditors and we ask your cooperation in keeping this to a minimum.

Shipment of Orders. We try to fill orders on the day they are received or at least not later than the following day unless some explanation is sent to you. A notice is generally sent to you with each shipment containing a memorandum of the charge if it is less than \$10.00 and is being placed on your open account. Please do not submit this notice for payment if no statement is enclosed. Please notify us immediately if anything is wrong with the order when it is received so that we can correct the situation.

AIDS, August 1963



Participation of Agriculture College Staff Members in Off-Campus Meetings Following are the main points in the long time policy regarding securing speakers from the College of Agriculture for adult class meetings

1. In order to avoid conflicts and duplication within the county, vocational agriculture teachers should confer with local farm adviser before making requests for services of staff members. Teachers may then send their requests either to Vocational Agriculture Service or direct to the individual or department concerned.
2. It is understood that normally only one speaker will attend any series of adult class meetings.
3. As a general policy, no charge will be made for travel of a speaker unless the meeting requires a special trip that, in the opinion of the head of the department, would justify such a charge.
4. A request for a speaker should be made as far as possible in advance of the meeting. It is advisable to give alternate dates also.

Requests for Bulletins and Circulars from the College of Agriculture We have tried over the years to maintain the good relationship that exists between vocational agriculture departments and the College of Agriculture regarding free distribution of bulletins and circulars for class use. Continuation of this good relationship depends on your cooperation in observing the following policies

1. Send requests to Vocational Agriculture Service for library copies of all Illinois bulletins and circulars needed in your program. Requests received by the Information Office or other divisions of the College are always referred to us which only delays the filling of your order.
2. Request reasonable numbers of publications which you have previously examined and found suitable. Agricultural Release subscribers receive a single copy of each new publication as it becomes available. New publications are also listed in the AIDS and single copies can be ordered for examination by any who do not receive Agricultural Releases.
3. We can request that quantities of publications be sent to you only sufficient to meet the needs of the size of your classes and it is understood that these publications are to become the property of your department. It is College policy that distribution to individual farmers is the function of the county farm adviser, not the vocational agriculture department.
4. Quantity distribution of publications is ordinarily governed by a suitability rating made by an IAVAT committee. Consideration will be given, however, to your special needs if they do not coincide with the general ratings of the committee if you justify them.
5. We can serve you better if you limit your requests to the publications that you need in the near future. New publications are coming out all the time and it may be that a better publication will be available when you need it, rather than to order for the distant future.
6. Small orders for bulletins and circulars (less than 4 pounds) can be sent by franked mail. Larger orders will be sent by Vocational Agriculture Service and shipping charges can be added to your open account.



Charge Orders for Materials from Other Divisions of the College. Items on which there is a charge, such as blueprints from the Department of Agricultural Engineering, etc., can be ordered through Vocational Agriculture Service. These departments will charge us for the items and we can place the charge on your open account.

### NEW BOOKS

The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers. Teachers who are interested in securing copies for their own use should write direct to the publisher.

EDUCATORS GUIDE TO FREE FILMS. 1963 \$9.00 Educators Progress Service  
Randolph Wisconsin.

According to the information that accompanies this issue of the Guide:

"The twenty-third annual edition of Educators Guide to Free Films is a professional, cyclopedic service, on these visual educational media . . .

"This edition replaces all volumes and supplements which have preceded it. It is a complete, up-to-date, annotated schedule of FREE films -- bringing you the compiled information on FREE films for your immediate use, all at your finger tips, within the covers of a single book. . .

"The TWENTY-THIRD ANNUAL EDITION lists 4,470 titles of films, 1,104 of which were not listed in the previous edition. All new titles are starred(\*) ."

FARM TRACTOR TUNE-UP AND SERVICE GUIDE. 1963. \$1.85. Southern Association of Agricultural Engineering and Vocational Agriculture. Barrow Hall, Athens, Ga.

This information accompanied our copy of the publication:

"A complete reference for on-the-farm tractor maintenance giving critical adjustment data and lubrication recommendations.

"Contains 19 pages, 17 of which are 11 x 23 inches folded into an 8-1/2 x 11 inch binding. 2 color.

"Includes the following information for gasoline, diesel and LP Gas standard farm tractors built since 1948:



Valve-tappet clearances  
Distributor gaps  
Location of timing marks  
Ignition timing recommendations  
Spark-plug heat range  
Fan-and generator-belt deflections  
Correct free pedal travel for brake  
and clutch

Oil capacities, types and viscosities for:  
Crankcase  
Automatic transmission  
Hydraulic system  
Transmission  
Differential  
Power take-off  
Pulley housing  
Final drives

PLANNING WATER SYSTEMS FOR FARM AND HOME, 1963 \$2.60 Southern Association of Agricultural Engineering and Vocational Agriculture, Barrow Hall, Athens, Georgia

According to information that accompanies this publication

"This publication prepared initially in 1955, has been revised to include the latest research information on planning water systems for farms and rural homes. The sections dealing with water disinfection and improvement of water quality - minerals, sediment taste and odor - have been greatly expanded."

Main headings in the table of contents of this 105-page publication are

How Much Water Will Be Needed Daily  
What sources of Water to Use  
What Methods to Use in Providing Safe Water  
What Methods to Use in Improving Water Quality  
What Capacity Pump to Use  
What Type of Pump to Use  
What Type and Size Water Storage to Use  
What Accessories to Use With Various Pumps  
What Protection to Provide for Pump and Tank  
What Piping Installation to Make  
What Size and Kind of Pipe to Use  
What Wiring and Motor Protection to Use

BASIC WOODWORK, TEXT EDITION, 1963 \$3.84/2.88 Ralph J. Vernon, The Steck Company, Publishers, Austin, Texas.

The following statements were taken from the Introduction to this book.

"Basic Woodwork has been prepared in order to provide practice and study for the beginning woodworker. It includes woods, hand tools, machine processes, finishing, and other elements of the woodworking trades. . . . You will find this book very useful at school and at home. When you desire to complete a task at home, you may refer to the text for the necessary information that will help you to complete the job".





A 4-H HANDBOOK AND LESSON GUIDE, 1963. \$5.95. H. A. Willman. Comstock Publishing Associates, Ithaca, New York.

The following statements were taken from the flyleaf of the book:

"Professor Willman's handbook is now published in a revised and enlarged second edition that actually amounts to an abridged encyclopedia of rural youth work. The revised manual deals with all classes of farm animals . . . A valuable timesaver for local leaders, teachers, and extension agents, it covers all phases of the 4-H agricultural program in 58 well-organized lessons, more than 100 practical exercises, and some 2400 questions and answers."

COOPERATIVE EXTENSION WORK, THIRD EDITION. 1963. \$6.75. Kelsey and Hearne Cornell University Press, Ithaca, New York.

These statements were taken from information accompanying the book:

"Here in one book the whole field of cooperative extension education is comprehensively defined: why and how it began, how it is organized and financed, how its programs are determined and carried out. For anyone who is new in the work, this book will be a valuable help to understanding the entire extension set-up. For those who have been in extension a long time, it will serve as a comprehensive review and bring many additional ideas and stimulating methods to your job."

INDUSTRIAL ARTS DRAWING, 1963. \$1.28/.96. Glazener and Clark. The Steck Company, Publishers, Austin, Texas.

The introduction contains the following statements:

"This text has been planned to fit the interests, needs, and capacities of average boys and girls, and other beginners in drafting. It should furnish an exploratory background for those students desiring general training, as well as for those who are interested in becoming draftsmen, or in further study of engineering. . ."

EDUCATORS GUIDE TO FREE FILMSTRIPS. \$6.00. 1963. Educators Progress Service, Randolph, Wisconsin.

The following statements are taken from the publisher's foreword:

"This FIFTEENTH annual GUIDE TO FREE FILMSTRIPS is completely revised. . . this current 159-page edition, much of it in small type-face, lists 533 filmstrips and 53 sets of slides . . . of the free filmstrips listed, 32 may be secured and retained permanently by the school without charge. Of these 32 filmstrips, 26 are in color and 6 are in black and white; 6 of the 32 are new this year."





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Education E477, Field Studies in Agricultural Education. This course will be offered extramurally the first semester of 1963-64 in District V, Sections 21 - 25. Preliminary enrollments in the course indicate that the two centers will be in the vicinity of Carlyle and West Frankfort or Sesser. Final location of centers will depend on final enrollment in the course. Teachers in District V will receive notification of locations of centers for the first meeting the first part of September. Registration will be at the first meeting of the course.

Ed. E477 is rotated among the five districts on the following schedule:

|              |         |
|--------------|---------|
| District V   | 1963-64 |
| District II  | 1964-65 |
| District III | 1965-66 |
| District IV  | 1966-67 |
| District I   | 1967-68 |

LJP

Advancements. Dr. Alfred H. Krebs was advanced to the rank of full professor, beginning 1963-64. Dr. Gerald R. Fuller was advanced to the rank of assistant professor. These advancements were made in recognition of the outstanding merit of these two staff members in Agricultural Education.

LJP

Agricultural Education Research Conference. Staff Members in agricultural education at the University of Illinois will be attending the Agricultural Education Regional Research Conference at Michigan State, August 12-16. Dr. Lloyd J. Phipps will be chairman of the research design section and Dr. Paul E. Hemp will serve as chairman of the research analysis section at the conference.

LJP

Design for the Future. The National Center for Research in Agricultural Education at the Ohio State University, Columbus, is sponsoring a national meeting on Design for the Future in Agricultural Education. Dr. J. Robert Warmbrod will represent the Agricultural Education Division, University of Illinois, at this important conference, from July 22--August 2.

LJP

AIDS, August 1963



Teacher Shortage Continues to Plague State. When the school bells ring in September some schools may be without a teacher of agriculture. The short supply of teachers is especially critical this year because a shortage exists in almost every midwestern state. Illinois schools cannot rely on finding teachers of agriculture from other states as they have in the past.

As of July 11, 1963, there were 22 agriculture vacancies in Illinois high schools and only nine candidates were still listed in the active file at the Teacher Placement Office, University of Illinois. Five of the nine men listed as available are presently employed in non-teaching jobs and would move only if circumstances were very favorable.

All beginning teachers qualified at the University of Illinois have been placed. Experienced teachers may wish to call on new teachers in their sections and help them get off to a good start. Names of beginning teachers and the schools where they are employed are as follows:

|            |                |                        |
|------------|----------------|------------------------|
| Section 1  | Dwight Heckert | Dakota                 |
| Section 3  | James Manthe   | Wethersfield (Kewanee) |
| Section 5  | Lynn Gosnell   | Bradford               |
|            | Larry Lowe     | Elmwood                |
|            | Gene Weber     | Varna                  |
| Section 6  | Harvey Carley  | Malta                  |
| Section 9  | Dale Fathauer  | Cullom                 |
| Section 11 | Daniel Vogler  | Warsaw                 |
| Section 12 | Lanny Anderson | Easton                 |
|            | Larry Melhouse | Avon                   |
| Section 16 | Don Sargeant   | Ellsworth-Downs        |
| Section 18 | James DeYoung  | Rankin                 |
|            | Ron Stuckler   | Bismarck               |
| Section 20 | Keith Romack   | Toledo                 |
| Section 21 | Ken Thomas     | Bluford                |

PEH

VOTEC E370, Beginning Teachers' Course. A course for beginning teachers, returning teachers, and out-of-state teachers who are in their first year of teaching vocational agriculture in Illinois is being offered for the thirteenth year. This one-half unit extramural course will include four night meetings held at centers within easy driving distance of the enrollees. The instructor will visit each member twice during the year. The course is designed to help teachers with problems usually encountered during their first year of teaching in Illinois. This year Dr. J. R. Warmbrod will be working with beginning teachers in the northern one-half of the state, and Dr. G. R. Fuller in the southern half.

On August 8 and 9, a workshop will be conducted at the University of Illinois for all beginning teachers who had accepted positions up to that time. A make-up workshop will be scheduled at a later date for teachers who are unable to attend the August workshop.

It is not too late to enroll in E370. If you wish to enroll, or if you know of a teacher who would be eligible, please contact Dr. G. R. Fuller, 103 Gregory Hall, Urbana, Urbana, Illinois

GRF



G. R. Fuller Attends University of Minnesota Farm Management Institute. During the week of June 24--28, Dr. Fuller represented the Agricultural Education Division, University of Illinois at an Institute on The Farm Management--Business Analysis Approach to Teaching Agriculture held at the University of Minnesota. Approximately 110 individuals attended the Institute, representing eighteen states and seven foreign countries. The meeting was designed to explain the Minnesota adult farmer program and how it is centered around the analysis of individual farm businesses. The organization of this state-wide program, methods of instruction, and materials used were among the topics presented.

LJP

VOTEC 473. Adult Education in Agriculture, VOTEC 473, will be offered by Dr. A. H. Krebs on the campus during the first semester of 1963-64. The class will meet on Monday nights from 7-9 p. m. Registration for the course is Saturday, September 14. The first meeting of the course will be Monday, September 16. Teachers working for a Master's degree or the Advanced Certificate in Education, who are within driving distance of the campus, may be able to fit this course into their schedules.

LJP





TEAR SHEET

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TO: Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

I would like to apply for a set of FFA Roadside Signs to be  
Reconditioned.

It is understood that this is on a first-come-first-serve basis  
for the funds available.

---

Teacher

---

School



## INDEX TO ITEMS IN VO-AG SECTION

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## PRICE LIST OF FEEDS<sup>1/</sup>

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as a basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of Feed                                     | May 21 | June 21 | July 22 |
|--|--------|---------|---------|
| Corn, shelled, bu <sup>2/</sup> . . . . .        | 1.12   | 1.20    | 1.19    |
| Corn ground, shelled, bu. . . . .                | 1.22   | 1.30    | 1.29    |
| Corn, ground ear, bu. . . . .                    | 1.22   | 1.30    | 1.29    |
| Oats, bu. . . . .                                | .66    | .62     | .58     |
| Oats, ground bu. . . . .                         | .76    | .72     | .68     |
| Barley, (feed) bu. . . . .                       | 1.07   | .98     | 1.06    |
| Barley, ground or rolled, bu. . . . .            | 1.17   | 1.08    | 1.16    |
| Sorghum, grain cwt. . . . .                      | 1.98   | 2.02    | 2.01    |
| Sorghum, grain, cracked, cwt. . . . .            | 2.08   | 2.12    | 2.11    |
| Garbage and kitchen waste, ton . . . . .         | 8.50   | 8.50    | 8.50    |
| Skim and buttermilk, cwt. . . . .                | 1.50   | 1.50    | 1.50    |
| Whole milk, Grade B., cwt . . . . .              | 3.00   | 3.00    | 3.00    |
| Corn silage, ton . . . . .                       | 12.00  | 12.00   | 12.00   |
| Sorghum silage, ton. . . . .                     | 11.00  | 11.00   | 11.00   |
| Grass silage, ton                                |        |         |         |
| No preservative added . . . . .                  | 8.00   | 8.00    | 8.00    |
| Preserved with 70-100 lb. molasses . . . . .     | 11.00  | 11.00   | 11.00   |
| Preserved with 150-200 lb. ground corn . . . . . | 13.00  | 13.00   | 13.00   |
| Clover and mixed hay )                           | 25.00  | 22.00   | 25.00   |
| Cowpea hay )                                     | 20.00  | 20.00   | 20.00   |
| Soybean hay )                                    | 20.00  | 20.00   | 20.00   |
| Alfalfa )  | 25.00  | 22.00   | 25.00   |
| Timothy )  | 20.00  | 20.00   | 20.00   |
| Oat straw )                                      | 18.00  | 16.00   | 18.00   |
| Corn stover, ton . . . . .                       | 10.00  | 10.00   | 11.00   |

<sup>1/</sup> Prepared by W. W. Albert, Dept. of Animal Science, University of Illinois  
Urbana, Illinois

<sup>2/</sup> High-moisture corn to be discounted at the rate of 1¢ for each 1/2% moisture  
above 15.5%

| <u>Pasture Rates*</u>         | <u>Cost per day</u> |
|-------------------------------|---------------------|
| Calves and colts, 6-11 mos.   | \$.06               |
| *Cattle and colts, 12-24 mos. | \$.09               |
| *Cattle, 24 mos. and older    | \$.12               |
| Lambs to weaning              | \$.01               |
| Sheep - yearlings and mature  | \$.025              |
| Pigs, 50-100 lbs.             | \$.0025             |

\*Full fed cattle on pasture, reduce by 2/3

\*Limited fed cattle on pasture, reduce by 1/3

**VOCATIONAL AGRICULTURE SERVICE**

*University of Illinois · College of Agriculture*

**434 MUMFORD HALL · URBANA, ILLINOIS**

SERIALS DEPARTMENT  
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# VO-AG AIDS

Volume 22, Number 2  
September 1963

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Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education





# VO-AG SERVICE

## Announcements & Notes

Meat and Milk Judging Contest. These contests will be held at the U. of I. campus, September 21, starting at 10:00 a. m. Please register at the Stock Pavilion in time for the boys to be at their respective places before judging time.

Attached to this copy of the AIDS is a self-addressed card for you to return if you plan to bring a team. This is not a preregistration, but a means of determining the number of teams to prepare for. Please return this card immediately if you expect to bring one or both teams.

A list of the rings for each contest was included in the Judging Contest Rules sent to you last February. If you have misplaced your copy, we still have a few and would be glad to send you another one as long as the supply lasts.

WHW

One-day courses in surveying. Two courses in surveying to qualify teachers to use the loan kit of surveying equipment are scheduled in October. One will be held in Carlinville on October 12, and the other in Forrest on October 26. If you are in one of the odd-numbered sections which will have kits this school year and would like to attend one of these courses, please write to Vocational Agriculture Service, and we will see that you are enrolled.

RFE

Order blank for farm management course materials. We are including an order blank with this issue of the AIDS in case you have not ordered and still wish to do so. We plan to duplicate these materials following the September 15 date, according to the number of copies received by that time. Orders will then be filled as soon as possible.

JHH

Diseases of Ornamental Plants. We have received a copy of College of Agriculture Special Publication No. 3 entitled Diseases of Ornamental Plants. This 208-page illustrated publication is available from the Agricultural Publications Office, 112 Mumford Hall, for \$2.08 per copy.

JWM



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Extramural courses in agriculture. Following is information regarding the first meeting of each of the extramural graduate courses that were announced in the August Aids.

- Agr. Econ. E302      Financing Agriculture, Holcomb  
Bloomington High School, Room 220  
1202 East Locust Street  
September 17, 6:30 p. m.
  
- Agr. Econ. E305      Agricultural Policies and Programs, Thompson  
Room 71, Pekin High School  
September 19, 7:30 p. m.
  
- Agr. Econ. E322      Livestock Marketing, Broadbent  
Room 202, Main Building  
Belleville Junior College  
September 19, 6:30 p. m.
  
- Agr. Eng. E331      Function, Application, Adjustment, and Management of  
Farm Machinery, Bowers and Butler  
Cooperative Extension Office, 210 West Washington, Paris  
September 14, 8:30 a. m.
  
- Agr. Eng. E381      Farm Electrical Equipment, Olver  
Effingham (Tentative. Write for information if interested)
  
- Plant Path. E377      Diseases of Field Crops, Hooker  
Freeport Junior High School  
September 17, 6:30 p. m.

Teachers and others interested should attend the first meeting as given above.

JWM

Agricultural releases. The total number of Agricultural Release subscriptions received to date (August 21) is 469. This includes 390 Illinois and 79 from other states. Remember the deadline for subscription for the 1963-64 school year is October 1. If you need a subscription form, or if in doubt as to whether or not you have sent one in, please let us know.

JWM



Persons handling electric motor kits. The following power supplier representatives and others will be in charge of the Vocational Agriculture Service electric motors kits for the school year 1963-64. Please schedule your use of the kit with these men well in advance of the time you wish to use it. The star (\*) indicates where the kit is normally stored in each section and the place where you will check the kit out and back in. If two or more men are listed for your section, you may wish to contact the one closest to you first.

| <u>Section</u> | <u>Name</u>                          | <u>Address</u>   |
|----------------|--------------------------------------|--|
| 1              | Howard E. Hetrick                    | *Central Ill. Electric and Gas Co.<br>303 N. Main Street, Rockford |
|                | L. R. Herbig                         | Public Service Company<br>Freeport                                 |
| 2              | Robert Liehr<br>Vo-Ag Instructor     | *Morrison Community High School<br>Morrison                        |
| 3              | LeRoy V. Hard                        | *Farmers Mutual Electric Co.<br>Geneseo                            |
|                | M. M. Jontz                          | Illinois Valley Electric Cooperative<br>Princeton                  |
| 4              | John Hurt                            | *Illinois Power Co.<br>1144 Monmouth Blvd., Galesburg              |
| 5              | John Ewan                            | *Central Illinois Light Co.<br>Lacon                               |
|                | Mark Kemper                          | *Central Illinois Light Co.<br>300 Liberty St., Peoria             |
| 6              | Robert E. Brown<br>Vo-Ag Instructor  | *DeKalb High School<br>DeKalb                                      |
| 7              | R. K. May                            | *Illinois Power Co.<br>200 Marquette St., LaSalle                  |
| 8              | Marion F. Welles<br>Vo-Ag Instructor | *Yorkville High School<br>Yorkville                                |
| 9              | Joe Crosno                           | *Corn Belt Electric Cooperative<br>Bloomington                     |
| 10             | C. C. Benbow                         | *Central Illinois Public Service Co.<br>Watseka                    |
| 11             | Lester Aeilts                        | *Western Illinois Electric Coop.<br>524 N. Madison, Carthage       |
|                | Roy C. Kerr                          | Central Ill. Public Service Co.<br>Macomb                          |





| <u>Section</u> | <u>Name</u>                           | <u>Address</u>   |
|----------------|---------------------------------------|--|
| 12             | Lyle Phillips                         | *Central Ill. Public Service Co.<br>Havana                           |
| 13             | Roger C. Mohrman                      | *Adams Electric Coop<br>Camp Point                                   |
| 14             | Roy Goode                             | *Rural Electric Convenience Coop.<br>Auburn                          |
|                | Dorland Smith                         | Menard Electric Coop.<br>Petersburg                                  |
| 15             | Harold Ellerman                       | *Central Ill. Public Service Co.<br>Jerseyville                      |
|                | Karl Longenbaugh                      | Illinois Rural Electric Coop.<br>Winchester                          |
| 16             | John L. Ingham                        | *Illinois Power Co.<br>2460 N. Jasper St., Decatur                   |
| 17             | Charles C. Shaw                       | *Central Ill. Public Service Co.<br>Paxton                           |
|                | Cy Anderson                           | Eastern Ill. Power Coop.<br>Paxton                                   |
| 18             | Tex Davis                             | *Illinois Power Company<br>24 S. Vermilion St., Danville             |
| 19             | L. W. Seaman                          | *Shelby Electric Coop.<br>Shelbyville                                |
| 20             | Randall Beasley                       | *Coles-Moultrie Electric Coop.<br>Mattoon                            |
|                | Carl Mitchell                         | Norris Electric Coop.<br>Newton                                      |
| 21             | Andy Bird                             | *Tri-County Electric Coop.<br>Mt. Vernon                             |
|                | Vic Ketten                            | Southwestern Electric Coop.<br>Greenville                            |
| 22             | Robert Vander Pluym                   | *Clinton County Electric Coop.<br>Breese                             |
| 23             | Roy L. Morris                         | *Wayne-White Counties Electric Coop.<br>Fairfield                    |
| 24             | H. M. Parker                          | *Central Ill. Public Service Co.<br>405 N. Illinois Ave., Carbondale |
| 25             | Lonial Lovellette<br>Vo-Ag Instructor | *Norris City High School<br>Norris City                              |



Rapid Raters. One of the devices used by ten schools who participated in a trial project on programmed instruction in agriculture last year was the Rapid Rater. It is a punch-board scoring device that was purchased from Shaw Laboratories, Inc., Syosset, L. I., New York. The Vocational Agriculture Service Advisory Board recommended that these devices be demonstrated at as many as possible of the fall section meetings and then be made available on a composite order basis. Demonstrations have been given, or are planned, in 15 of the 25 sections. These include the odd-numbered sections, plus sections 6 and 24, the two even-numbered sections where advisory board members are located.

A special order form for Rapid Raters and for some materials (sets of 20 multiple-choice questions) for use with the Rapid Rater is included in this issue of the AIDS. Orders received will be accumulated until October 15. Rapid Raters will then be ordered and materials will be rerun for delivery to schools as soon as possible. The next composite order deadline for these items will be February 1.

JWM

Scrambled books. Another device that was tried out by ten schools last year was the scrambled booklet. The advisory board also recommended that these be made available to other schools. Three scrambled books are also included on the special order form with Rapid Raters and other materials mentioned above.

JWM

#### N E W B O O K S

The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

VETERINARY GUIDE FOR FARMERS. 1963. \$4.95. G. W. Stamm. Hawthorn Books, Inc. Publishers, New York.

The following statements were taken from the cover of this book:

"This new and revised edition contains all the latest information available on the treatment and prevention of disease. . . Questions. . . are given definitive and detailed answers in this new and revised edition of Veterinary Guide for Farmers. Over two hundred illustrations and numerous charts and diagrams further clarify the text."



EDUCATORS GUIDE TO FREE TAPES, SCRIPTS, AND TRANSCRIPTIONS. 1963.  
\$5.75. Educators Progress Service, Randolph, Wisconsin.

Following statements are made by the publisher:

"The ninth edition is completely new and is devoted exclusively to selected free tapes, free scripts, and free transcriptions. It is a complete, up-to-date, annotated cross-media schedule of selected audio aids and scripts--bringing you the compiled information on these selected free educational enrichment audio and script materials, all at your fingertips, within the covers of a single book.

"This edition lists, classifies, and provides a complete informational source, availability, and contents of 189 free tapes, 130 free scripts, and 83 free transcriptions, a total of 402 valuable materials. Of these 118 are new starred (\*) titles "

ELEMENTARY TEACHERS GUIDE TO FREE CURRICULUM MATERIALS. 1963.  
\$7.50. Educators Progress Service, Randolph, Wisconsin.

The following is taken from information supplied by the publisher:

"This edition lists 1,225 items, of which 501, or 40.8 % are new. Materials are available from 504 sources, of which 149 are new this year.

"This Guide is a complete, up-to-date, annotated schedule of selected FREE maps, bulletins, pamphlets, exhibits, charts, and books. It brings you the compiled information on this vast array of worthwhile FREE educational materials for your immediate use, all at your fingertips, within the covers of a single book."





## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

National Seminar on Agricultural Education. Dr. J. R. Warmbrod attended the first national seminar conducted at the National Center for Advanced Study and Research in Agricultural Education, The Ohio State University, from July 22 to August 2. The general theme for the seminar, A Design for the Future, provided opportunities for agricultural educators to examine problems of state and national significance pertaining to future developments in agricultural education.

The seminar was attended by 85 teacher educators and state supervisors of agricultural education from 36 states and the Virgin Islands. Of special interest to teachers of vocational agriculture will be the statement of the "role of agricultural education in the public schools" developed by the seminar participants. This statement, designed to chart the future role of public school education in agriculture, calls for expanded and improved programs of agricultural education for persons who are or may be engaged in agricultural occupations (both farming and off-the-farm occupations where knowledge and competencies in agriculture are essential) and for persons not engaged in agricultural pursuits but who must have an understanding of agriculture if they are going to participate intelligently as citizens in forming public policy for agriculture. The proceedings of the seminar will be published in a few weeks.

JRW

First-Year Teachers' Course. There is still time to enroll in VOTEC E370, an extramural course for first-year teachers of agriculture. Beginning teachers, men returning to teaching from other work, and out-of-state teachers employed for the first time in Illinois are eligible to enroll for one-half unit credit. There will be four evening meetings held at centers convenient to the enrollees. In addition, each enrollee will be visited twice by the instructor. The course will be concerned with problems usually encountered during the first year of work in Illinois. Interested persons may enroll by contacting Dr. G. R. Fuller, 103 Gregory Hall, University of Illinois, Urbana.

GRF

Vocational Agriculture Summer Experience Program--VOTEC 275. Student teachers are now participating in a three-week summer experience program. They will gain experiences in the summer work of an agriculture teacher and participate in the opening of school at their student teaching centers. This





year, 14 cooperating teachers are providing experience programs in their schools. Dr. G. R. Fuller will make two visits to each of the schools during the summer.

GRF

Education E477, Field Studies in Agricultural Education. All agriculture teachers in District V will be notified sometime early in September of the time and place for the first meeting of Education E477. Other persons wishing to receive this notification should contact Dr. L. J. Phipps if they have not already done so.

AHK

VOTEC 473 Adult Education in Agriculture. Registration for VOTEC 473 may be completed on Saturday, September 14. The first meeting of the course is scheduled for Monday, September 16, from 7:00 - 9:00 pm.

AHK

1963 Summer Session Seventy-six agriculture teachers attended the 1963 summer session in agricultural education at the University of Illinois. States in addition to Illinois represented in this group were Indiana, Mississippi, North Carolina, and Texas.

AHK

Teacher Placement Report As of August 15, 1963, there were 20 teacher vacancies in Illinois vocational agriculture departments. Seven persons are currently listed as active candidates for teaching positions. All of these seven men are presently employed in some form of work other than teaching.

Looking ahead to next year it appears that the University of Illinois will qualify about 20 men for vocational agriculture teaching. During the 1962-63 academic year, 25 men were qualified to teach vocational agriculture at the University of Illinois.

PEH





# I A V A T NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

## Herbert R. Damisch, 1900-1963

The cause of vocational agriculture in Illinois and in the nation suffered an immeasurable loss when Mr. Herbert R. Damisch, Chief of Agricultural Education, State Board of Vocational Education, was stricken with a fatal heart attack on August 11, 1963.

Mr. Damisch was born and reared on a farm in Kane County, Illinois. This farm, now operated by his son, William M. Damisch, has been in the family continuously for 125 years. He attended local schools and received his B. S. and M. S. degrees from the University of Illinois. He taught vocational agriculture in Ohio for a time and then at Jerseyville, Illinois, before becoming an assistant state supervisor in 1930. In 1938 he resumed teaching, starting a department at Elgin High School.

He entered military service at the outbreak of World War II, and served for 51 months, most of the time in the South Pacific. He held the rank of lieutenant colonel and commanded a combat infantry battalion through the Leyte and Okinawa campaigns. He had the unusual distinction of being cited for heroism on recommendation of the enlisted men in his command.

After the war he again joined the state office staff as a supervisor, devoting his time largely to northern Illinois. On September 1, 1956, he was named Chief of Agricultural Education, holding this position until his death.

Mr. Damisch leaves his wife; a daughter, Mrs. Donald Clute of Elgin; a son, William of rural Elgin; and six grandchildren.

All phases of the vocational agriculture program have been strengthened by the dynamic, dedicated leadership of Mr. Damisch. As state advisor to the FFA he has stimulated this organization to set new records of achievement each year. He has consistently fostered professional improvement among teachers, improvement of school physical facilities, and all aspects of the local program in agricultural education. He actively promoted the positive approach to all problems and sought tirelessly to improve public understanding and appreciation of agriculture in its broadest sense.

Many honors came to Mr. Damisch during his life. The greatest honor we can pay him now is to carry on and bring to reality his dreams for the future of vocational agriculture in Illinois.

Herbert R. Damisch Memorial Scholarship. It is the wish of Mrs. Damisch and her family that a memorial scholarship be set up to assist University of Illinois students preparing to become vocational agriculture teachers. Mr. Joe Berger, IAVAT Secretary-Treasurer, High School, Charleston, has agreed to receive funds for this memorial. If you wish to contribute, please make check payable to HERBERT R. DAMISCH MEMORIAL SCHOLARSHIP FUND, and send it to Joe Berger.



A line from the former past president

I wish to extend a thanks to each of you for the cooperation you gave the IAVAT this past year.

Region IV NVATA conference held in Indiana

Your state association was represented at the Region IV conference held in Spencer, Indiana, on June 23-25 by president, vice-president, and the past president. This is our opportunity to gather ideas from other state associations and to see exactly what is going on in our region.

The dues for each of the states as reported at this conference are:

|          |         |
|----------|---------|
| Indiana  | \$17.50 |
| Missouri | 20.00   |
| Michigan | 17.50   |
| Kentucky | 16.00   |
| Ohio     | 15.50   |
| Illinois | 14.50   |

The membership in the Illinois Association of Vocational Agriculture Teachers is the largest in the region. This will also show that our dues for our association are the lowest in the region.

Note to sectional reporters

You have been notified by your district director of the time you are responsible for news to be added to the newsletter. Please accept this as a challenge and a responsibility. Don't be bashful with the good ideas that come out of some of your sectional meetings. Most all of us can profit from your comments. Your cooperation in mailing your news releases to me before the first of each month will be required if your items are to be published in the next issue. Why not get this information to me so that our activities can be current and up to date?

Congratulations

Most of you know that Dr. Alfred Krebs has been promoted to full professor, and Dr. Gerald Fuller advanced to assistant professor. We are proud to have men of this caliber working for the good of vocational agriculture education.

Mr. Harold Engelking has been appointed to the staff of supervisors of the Board of Vocational Education. Many of us have known Mr. Engelking from the previous years working in this capacity. We welcome you back to your new position and wish you every success you so well deserve.

What is ahead?

During this year many of you will have comments that you feel should be considered by your association. Will you please see that these ideas are conveyed to one of the officers or to your sectional chairman who will accept the responsibility for seeing that it is considered at one of the meetings. Your organization can be only as active and alert to new ideas as these ideas come from the members.



IAVAT budget for 1963-64

Receipts

|                             |            |
|-----------------------------|------------|
| Dues and subscriptions      | \$6,185.00 |
| IAVAT exhibits, AVA refunds | 350.00     |
| State judging contest       | 590.00     |

Expenses

|                                      |          |
|--------------------------------------|----------|
| Conventions and conferences          | 700.00   |
| AVA dues                             | 2,445.00 |
| IVA dues                             | 196.00   |
| NVATA dues                           | 1,467.00 |
| Agricultural education subscriptions | 576.00   |
| Awards and banquets                  | 300.00   |
| Judging and dairy holding contest    | 450.00   |
| Postage, stationery, phone, supplies | 250.00   |
| Memorials, flowers, etc.             | 50.00    |
| IAVAT committee reports              | 150.00   |
| Secretary's salary                   | 175.00   |
| Miscellaneous                        | 30.00    |

Indiana adopts Bill of Rights

The following is a Bill of Rights that was adopted by the Indiana Association of Vocational Agriculture Teachers:

The administrator has the right to expect the vocational agriculture teacher to:

1. Recognize the responsibilities implied by the needs of a community for a complete program.
2. Give full time under the twelve-month contract to the proper functioning of the vocational agriculture program.
3. Work harmoniously with school authorities and other teachers of the school.
4. Provide an agenda of activities during the summer months.
5. Set before students by deed and actions an example of honesty and fair play at all times.
6. Emphasize public relations.
7. Refrain from taking students out of classes in excess of administration policy.

The vocational agriculture teacher has the right to expect:

1. Recognition of the value and importance of the vocational agriculture program as a part of the total school program.





2. Time for the development of the vocational agriculture program.
3. Recognition of the FFA, Adult Farmer, and Young Farmer program as parts of the daily teacher load.
4. Adequate time for on-farm instruction and follow up.
5. A vocational budget to finance the continued development of vocational agriculture.
6. The opportunity to participate and grow professionally throughout the year.

Brief Analysis of HR 4955\*

Title I

- Sec. 101 Purpose: to maintain, extend, and improve vocational education programs.
- Sec. 102 Authorizes appropriations of \$73,000,000 for 1964, increasing annually to \$340,000,000 for 1967 and such sums as may be necessary thereafter. THIS IS IN ADDITION TO AUTHORIZATIONS UNDER THE GEORGE-BARDEN ACT.
- Sec. 103 Ninety-five percent of appropriations to be allotted to states on basis of age group populations and states' per capita incomes. Funds may be reallocated.
- Sec. ~~104~~ Funds may be used for training of four groups identified by the President's Panel for Vocational Education, construction of area vocational education facilities and for ancillary services. Five percent of funds to be available to Commissioner for grants for special projects.
- Sec. 105 States to submit an amendment to their state plans to qualify.
- Sec. 106 States must maintain 1963 level of expenditure of state and local funds to be eligible for federal funds.
- Sec. 107 Labor standards for which the Secretary of Labor is responsible to be maintained where funds are used for construction of area school facilities.
- Sec. 108 Authorizes appropriation of funds for administration by the Office of Education.
- Sec. 109 Defines vocational education broadly in terms of President's panel recommendations.

\*This bill (HR 4955) does not repeal, replace, or amend existing vocational education acts. If this bill is approved in its present form it will leave in force all existing vocational education laws.



## Title II

- Sec. 201 Purpose: to provide federal funds for part-time employment of students enrolled in area vocational programs.
- Sec. 202 Authorizes appropriation of \$1,000,000 for 1964 and each year thereafter.
- Sec. 203 Allotments to states to be in proportion to number of persons enrolled in area vocational education programs. Reallotment of funds provided for.
- Sec. 204 Content of state agreements with commissioner outlined regarding student qualifications for work. Not more than \$350 per year of federal funds to be available for each student for two years.
- Sec. 205 Students to be employees of school, not the federal government.

## Title III

- Sec. 301 To provide insured loans for students in area vocational education programs. Authorized appropriation of \$5,000,000 for 1964 and \$10,000,000 annually thereafter. Commissioner authorized to set maximum quotas to eligible lenders and states.
- Sec. 302 Maximum loans per student \$500 per year, \$1,000 total. Insurance liability to be limited to 90 percent of any unpaid balance of a loan.
- Sec. 303 Lender may loan his own funds or funds held in trust.
- Sec. 304 To be eligible for a loan, a student must be a full-time enrollee in good standing in an area vocational education program. Loans to be evidenced by notes or other written agreements providing conditions for repayment.
- Sec. 305 Certificate of insurance of loan to be issued by U. S. Commissioner. Borrower to pay insurance premiums fixed by commissioner.
- Sec. 306 Gives procedures on default, death or disability of student for commissioner to pay lender for loss after lender has exercised same care and diligence as in collection of uninsured loans.
- Sec. 307 A Vocational Student Loan Insurance Fund is to be established under control of commissioner.
- ~~Sec. 308~~ Legal powers and responsibilities of the commissioner are set forth.

The above explanation of the HR 4955 was mailed to me by James Wall, Executive Secretary of the NVATA. You will certainly be interested in action taken on August 6, 1963, by the House of Representatives. They approved the above bill by a roll call vote of 377 for, and 21 against. It is now left up to Senate action. It is interesting that of the 21 voting against the bill 14 came from the southern states. Perhaps this explains why we are getting the adverse publicity in two of our southern states.



Your vice-president, E. L. Rice

I was born in 1918 in Sangamon County, Illinois, where I attended the Illiopolis schools. My undergraduate college training involved study at Illinois State Normal University and the University of Illinois, where I received a Bachelor's degree in agricultural education in 1941, and a Master's degree from the College of Agriculture in 1951.

I was married in 1941 to Doris Moore; we have three children, two boys, Donald and Dick, ages 21 and 19, respectively, and one girl, Debra, age 13.

Following graduation I taught vocational agriculture for one and one-half years at Gilmore High School, Jackson County, West Virginia. I then moved back to Illinois and taught for nine and one-half years at Manlius. While at Manlius, approximately 15 of my students received their State Farmer degree, over 20 won Sectional Production awards, two were Star Sectional Farmers, one American Farmer, and three were Sectional FFA vice-presidents.

From Manlius I went to Western Illinois University where I taught animal science for one and one-half years. After completing this assignment at Western I was engaged in sales work for Consolidated Products Company for one year. I then moved to my present location at Princeville as vocational agriculture teacher where I have just completed nine years. While at Princeville I have had 13 students receive their State Farmer degrees, 17 have won Sectional Production Awards, seven have won District Production Awards, and one has won a State Production Award. One student was selected District Star Farmer. One of my students is currently Sectional vice-president and director of District I of the FFA. One student is nominated to receive the American Farmer degree at the National Convention this fall.

In 1947 I was sectional chairman of Section 3 and chairman of Section 5 in 1956-58. I served as director of District I in 1950-51, again in 1961-63, and am the newly elected vice president of the IAVAT. I have attended two NVATA and AVA conventions and one Region IV NVATA summer conference.

I am a member of the Princeville Methodist Church and currently treasurer of the Methodist Men's Club.

I initiated and have served as the sponsor of the National Honor Society in our high school since its inception.

My hobbies are golf and chess.

Keep the news items coming in.

William Martinie, President



## Order Blank for Farm Management Course Materials

This sheet shows the available items used or handed out at the one-day short course. Vocational Agriculture Service will accept orders until September 15, 1963 and will then duplicate and distribute copies as soon as possible.

VAS Unit 2037, Setting Up Farm Records to Provide for Analysis, and Slidefilm No. 357, What Records Tell About This Farm, are a part of the new advanced order lists and can be obtained the same as other units or slidefilms. Circular 853, referred to in the slidefilm, is still available in limited quantities. A revised copy of Circular 874 is to be included with the October Ag. Releases.

To: Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

Please send the following items:

| <u>No. of<br/>copies</u> | <u>Price of<br/>each*</u> | <u>Total<br/>amount</u> | <u>Title</u>  |
|--------------------------|---------------------------|-------------------------|---|
| _____                    | 8¢                        | _____                   | Analyzing the Farm Business   |
| _____                    | 3¢                        | _____                   | Key to Analyzing the Farm Business  |
| _____                    | 2¢                        | _____                   | Analysis <u>Chart</u> for the Farm Business                                       |
| _____                    | 4¢                        | _____                   | The Use of the "Income Possibilities" form  |
| _____                    | 3¢                        | _____                   | <u>Form</u> , "Income Possibilities on your Farm"                                 |
| _____                    | 12¢                       | _____                   | Farm Management Manual  |
| _____                    | 6¢                        | _____                   | Farm and Family Business Management<br>Part I Let's Take a Look at Farming        |
| _____                    | 11¢                       | _____                   | Farm and Family Business Management<br>Part II. Income Possibilities on your Farm |
| _____                    | 4¢                        | _____                   | Partial Budgets and Break Even Problems   |
| _____                    | 3¢                        | _____                   | Key to Partial Budgets and Break Even Problems                                    |
| _____                    | 3¢                        | _____                   | Partial Budget <u>Form</u> (double sheet of 4 forms)                              |
| _____                    | 2¢                        | _____                   | Machine Costs   |
| _____                    | 3¢                        | _____                   | FM 8, Costs of Using Farm Machinery   |
| _____                    | 3¢                        | _____                   | FM 8b, Revised, Custom Rates and Machinery<br>Rental Rates for Illinois           |
| _____                    | 3¢                        | _____                   | FM Facts & Opinions Letters on Fitting Ma-<br>chinery to the Farm                 |
| _____                    | 4¢                        | _____                   | Fitting Livestock to the Farm   |
| _____                    | 4¢                        | _____                   | Income Tax Management for Farmers   |

\*All prices f. o. b. , Urbana

\_\_\_\_\_  
Name

\_\_\_\_\_  
School





SPECIAL ORDER FORM

Name \_\_\_\_\_

Address \_\_\_\_\_

Make statement out as follows: \_\_\_\_\_

| Quantity | Item | Price | Amount |
|----------|------|-------|--------|
|----------|------|-------|--------|

|  |   |                      |  |
|--|---|----------------------|--|
|  | Rapid Raters (punch board scoring device) | \$3.00 <sup>1/</sup> |  |
|--|---|----------------------|--|

<sup>1/</sup> Price is \$3.00 each plus shipping charges

Materials for use with Rapid Raters (Available only in bundles of 20 copies each at 20 cents per bundle)

|  |   |     |  |
|--|---|-----|--|
|  | Small Engines - 1                         | .20 |  |
|  | Small Engines - 2                         | .20 |  |
|  | Summarizing and Analyzing Records         | .20 |  |
|  | Starting to Keep Records                  | .20 |  |
|  | Selecting and Purchasing Hogs             | .20 |  |
|  | Increasing Earnings Through Farm Records  | .20 |  |
|  | Storing and Drying Corn                   | .20 |  |
|  | Corn Insects                              | .20 |  |
|  | Let's Look at Agriculture                 | .20 |  |
|  | Keeping Records Up To Date                | .20 |  |
|  | Understanding Soils - 1                   | .20 |  |
|  | Understanding Soils - 2                   | .20 |  |
|  | How Prices of Meat Animals are Determined | .20 |  |
|  | Credit Instruments                        | .20 |  |
|  | Farm Surveying - 1                        | .20 |  |
|  | Farm Surveying - 2                        | .20 |  |
|  | Electrical Wiring - 1                     | .20 |  |
|  | Oxy-acetylene welding - 1                 | .20 |  |
|  | Oxy-acetylene welding - 2                 | .20 |  |

Scrambled Books

|  |   |     |  |
|--|---|-----|--|
|  | Digestion in Animals  | .10 |  |
|  | Improving Animals Through Breeding                          | .10 |  |
|  | Parliamentary Procedure - Presenting and Voting on a Motion | .10 |  |

Vocational Agriculture Service

University of Illinois



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| New books . . . . .  | 5, 6            |
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## PRICE LIST OF FEEDS

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| <u>Kind of feed</u>                                   | <u>Cost per bu. , cwt .<br/>or tons in dollars</u> |
|---|--|
| Corn, shelled, bu.                                    | 1 20   |
| Corn, ground shelled, bu.                             | 1 30   |
| Corn, ground ear, bu                                  | 1 30   |
| Oats, bu.   | 60   |
| Oats, ground bu                                       | 70   |
| Barley, (feed), bu.                                   | 95   |
| Barley, ground or rolled, bu.                         | 1 05   |
| Sorghum, grain cwt.                                   | 2 00   |
| Sorghum, grain, cracked, cwt.                         | 2 10   |
| Garbage and kitchen waste, ton                        | 8 50   |
| Skim and buttermilk, cwt.                             | 1 50   |
| Whole milk, Grade B. , cwt.                           | 3 00   |
| Corn silage, ton                                      | 12.00  |
| Sorghum silage, ton                                   | 11.00  |
| Grass silage, ton                                     |  |
| No preservative added                                 | 8 00   |
| Preserved with 70-100 lb. molasses                    | 11 00  |
| Preserved with 150-200 lb ground corn                 | 13 00  |
| Clover and mixed hay)                                 | 25 00  |
| Cowpea hay ) Prices quoted are for baled hay, per ton | 20 00  |
| Soybean hay )   | 20 00  |
| Alfalfa ) Loose hay, \$5 less per ton                 | 25.00  |
| Timothy )   | 20.00  |
| Oat straw )   | 18.00  |
| Corn stover, ton                                      | 10.00  |

**VOCATIONAL AGRICULTURE SERVICE**

*University of Illinois · College of Agriculture*

**434 MUMFORD HALL · URBANA, ILLINOIS**

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# VO-AG AIDS

Volume 22, Number 3  
October 1963

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education





# VO-AG SERVICE

## Announcements & Notes

Agricultural Releases for 1963-64. The first (October) shipment of Agricultural Releases has been sent and should arrive about the time you receive this issue of the AIDS. The October issue or RELEASES is usually the largest as it contains several items that have accumulated over the summer. If you have ordered RELEASES and they do not arrive, or if you find any errors in packing, addressing, etc., please let us know and we will do our best to correct the situation.

JWM

Composite orders. All composite orders for concrete kits, pH kits, weed and crop slides, small engine tools, and tractor tune-up tools received before July 1 have been sent. An unusual situation has developed in regard to the price of the 115-volt power timing light. It has gone down so that we are able to price it at \$14.00 instead of \$15.50. This price change was in effect for the timing lights which were sent out after July 1 (ordered between February 15 and July 1). If you were charged \$15.50, please let us know and we will correct it. October 15 is the closing of the next composite order period. We hope to have most of the items ready to ship to you by that date.

Bulletins and circulars from the College of Agriculture. Since the last issue of the AIDS, we have received eight new circulars and three new bulletins. A single copy of each of the following has been sent to Agricultural Release subscribers in the October mailing:

- |              |  |
|--------------|--|
| Circular 861 | Patterns of Seasonal Price Variations for Illinois Farm Products   |
| Circular 867 | Mechanical and Automatic Feeding Systems for Livestock Farms       |
| Circular 868 | Selection Programs for Profitable Swine Production                 |
| Circular 869 | Soil Fumigation: Preventing Soil Pest Problems Before They Develop |
| Circular 870 | Expected Costs and Returns in Your Egg Business                    |
| Circular 871 | Training the Spur-Bearing Delicious Apple Varieties                |
| Circular 873 | Lawn Weeds: Identification and Control                             |
| Circular 874 | 1962 Summary of Illinois Farm Business Records                     |

Copies of the following have not been sent, but are available to those who are especially interested:

- |              |  |
|--------------|--|
| Bulletin 693 | Kitchen Units for the Classroom                          |
| Bulletin 694 | The Ice Cream and Frozen Dessert Industry                |
| Bulletin 695 | Econometric Analysis of the Edible Fats and Oils Economy |



For the information of out-of-state readers wishing to order these publications, the prices are as follows:

|        |     |        |     |        |     |
|--------|-----|--------|-----|--------|-----|
| C. 861 | 10¢ | C. 870 | 3¢  | B. 693 | 20¢ |
| C. 867 | 10¢ | C. 871 | 3¢  | B. 694 | 15¢ |
| C. 868 | 5¢  | C. 873 | 15¢ | B. 695 | 30¢ |
| C. 869 | 5¢  | C. 874 | 10¢ |        |     |

Northeastern Illinois Agronomy Center (AG-1897). This publication gives the latest research results on varieties, weed control, forage management, and fertility studies at the Elwood Center in northeastern Illinois. This is one of six major Agronomy Research Centers of the state. Because of the variation in soil and weather, centers like this furnish up-to-date soil and crop research data to farmers located in this area. A single copy of this publication is available on request to anyone interested in this part of the state.

RLC

Grading sheet for record book. We have received many requests for quantity copies of the grading sheet for the student's record book that was developed by Robert E. Brown, vocational agriculture instructor at DeKalb. This was one of the entries in the teaching aids exhibit at the June conference. Robert Brown has given us permission to reproduce this grading sheet and to make it available in quantities. Another sample copy was included in the October Agricultural Releases. If you wish to order, please use the tear sheet in this issue of the AIDS. Bundles of 25 copies will be available at 15 cents, f. o. b., Urbana.

JWM

FFA roadside signs. We have requests from 35 schools for obtaining reconditioned sets of FFA roadside signs. We are in process of getting estimates for the costs of reconditioning but it appears that the funds allotted for this project by the Illinois Foundation FFA will be insufficient to take any more requests this year. Those schools who have applied will be contacted individually about further details.

JWM

Bred ewe sale. The 20th annual consignment sale of bred ewes will be held at the Stock Pavilion on the U. of I. campus on Saturday, December 14. Sifting of the animals will start at 9:00 a. m., and the sale will begin at 1:00 p. m. This event provides an opportunity to observe several different breeds. It also gives you an opportunity to compare the offerings of several breeders at one location.

USG-WHW

Sheep Day, December 13. The annual Sheep Day will be held at the University on Friday, December 13. The program will include timely information on the production of lambs and wool and will provide an opportunity for visitors to see some of the research in progress and to hear reports of recently completed research.

USG-WHW

Farm management course materials have been duplicated and are being assembled and made ready for shipment. You should receive your orders soon after October 1.

JHH



Planning Your Farm Business, problem illustration. We were temporarily out of the problem and now have a new supply available. All figures remain the same as in the previous edition. A change in form has allowed us to get the material in eight pages. Teachers can duplicate the first page separately if they wish to use it as a problem. Old editions of the item can still be used. The problem illustration is included on the tear sheet for convenience in ordering.

JHH

One-day courses in surveying. Three courses in surveying to qualify teachers to use the loan kit of surveying equipment are scheduled for this fall. Courses will be held in Carlinville on October 12, Forrest on October 26, and Equality on November 16. All courses begin at 8:30 a. m. and will continue until 4:00 p. m. If you are in one of the odd-numbered sections which will have kits this school year, and would like to attend one of these courses, please write to Vo-Ag Service, and we will see that you are enrolled.

RFE

Assistance for adult classes on concrete. C. A. Kincaid, farm field engineer, Portland Cement Association, will accept dates for adult evening classes of 15 members or more, that can be fitted into his schedule during the winter of 1963-64. Colored slides illustrated lectures of one hour are available on the following subjects:

1. Making quality concrete for farm improvements
2. Building with concrete masonry
3. Heated concrete floors for farrowing houses
4. Concrete feeding floors and paved barnyards
5. Horizontal silos above and below grade
6. Tilt-up farm building construction
7. Concrete feed bunk automated installations
8. Confinement hog production structures

If you desire to have Mr. Kincaid participate in your adult evening program, select any two of the above subjects that are of interest to your group and write to Mr. Kincaid direct. His address is 2101 Brentwood Drive, Springfield, 62704.

JWM

\$300 college scholarship. Through the thoughtfulness of Professor E. L. Knake our office has received an announcement of a weed control essay contest for a \$300 college scholarship at the national level, and a \$25 award to each state winner. These awards are presented by the north-central Weed Control Conference to the boy or girl who submits the winning essay of approximate 1,000 words entitled "How We Control Weeds on Our Farm." A copy of the contest rules is enclosed with this issue of the AIDS for Illinois teachers.

Essays should be sent to Extension Weed Specialist, N305b Turner Hall, University of Illinois, Urbana, by November 15, 1963.

The 1962 Illinois winners were

|        |               |                    |
|--------|---------------|--------------------|
| First  | Gene Ackerman | Lincoln, Illinois  |
| Second | Wayne Peugh   | Sterling, Illinois |

RLC



Extension slides and slidefilm sets. At the June conference teachers signed up on a composite basis for six extension slidefilms that were released during the past year. We have received these and made them into slides or canned according to the orders received. Shipment will be made in a few days. Please advise if you do not receive your order in a reasonable length of time.

RLC

Land-use selection cards. These cards for land-use contests are available from our office at 25 cents per package of 25, f. o. b., Urbana. The information on these cards is based on the revised Illinois Circular 758, Understanding Soils. This item will be found on the tear sheet for the convenience of those who may wish to order.

RLC

Programmed instruction materials. This is a reminder of the October 15 deadline for orders of programmed instruction materials as announced in the September AIDS. At the last tabulation, total number of Rapid Raters on orders received from teachers was 397. If this reaches 500 we can take advantage of a small price break which will just about cover shipping charges from New York to Urbana. We will place our order for Rapid Raters and rerun the other materials as of October 15. Orders received after that date will be accumulated until February 15, the next regular composite order date. If interested, see the order blank from the September AIDS.

JWM

Electrical wiring boxes. The revised electrical wiring loan boxes are now ready for distribution. However, the instructional material and exercises to accompany the boxes have been delayed, but we hope to have them available in a few weeks. We will not send out boxes until the text material is ready unless you notify us specially to do so. If you plan to be in this area, however, and wish to pick up a box, let us know and we will have it ready for you. The text material can then be sent to you later.

JWM

Meat and milk judging contest. Fifty schools participated in the contests September 21; 49 teams in meat and 32 in milk. Shelbyville teams, with Mr. Kenneth Diehl as instructor, won top honors in both contests. These two teams, plus the Farmer City livestock team, the Mount Carroll dairy team, and the Lena-Winslow poultry team, will represent Illinois in the respective national contests. The dates and places of the national contests are as follows:

|                                  |              |
|----------------------------------|--------------|
| Dairy, Waterloo, Iowa            | September 30 |
| Dairy Products, Waterloo, Iowa   | October 1    |
| Meat, Kansas City, Missouri      | October 9    |
| Poultry, Kansas City, Missouri   | October 9    |
| Livestock, Kansas City, Missouri | October 10   |

WHW

Entering the College of Agriculture Fact Sheet No. 1. This item, which is included in copies of the AIDS going to Illinois teachers, was provided by Dean K. E. Gardner's office.

JWM





## N E W B O O K S

The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

LABORATORY STUDIES IN FIELD CROP SCIENCE. 1963. A. W. Burger. \$4.35. Burgess Publishing Co., Minneapolis, Minnesota.

This laboratory manual, written by Professor A. W. Burger, Department of Agronomy, University of Illinois, is a revision of the 1960 edition. It contains 199 pages and includes 14 laboratory exercises, an appendix section, and a glossary. Some of the main sections deal with plant nomenclature, weeds and weed seeds, crops judging, corn and soybean seedling study, seed germination, seedling identification, plant heredity, herbicides, crop insects, and crop diseases.

The manual is specifically written for beginning students in agronomy at the college level but contains many parts that would be suitable for high school students of vocational agriculture.

EDUCATORS GUIDE TO FREE SCIENCE MATERIALS. 1963. \$7.25 Educators Progress Service, Randolph, Wisconsin.

The following information is taken from material supplied by the publisher:

"This fourth edition lists, classifies, and provides complete information on titles, sources, availability and contents of 876 free films, 104 free filmstrips, and 252 other free supplementary materials from 357 sources--bulletins, pamphlets, exhibits, charts, posters, and books--a total of 1,232 free items, of which 317 are new in this edition. It gives the busy, alert educator and librarian information on the nature, purposes, and use of these materials not to be found in any other single source."





## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Advanced certificate in education. During recent months the following Illinois teachers of agriculture have entered the program for the Advanced Certificate in Education, and have asked us to plan a program for them.

Joe W. Berger  
Grover C. Burkett  
Harold Drake  
John Clark Esarey  
George Forgey  
John Garrison  
Lowell Hillen

Harold Konrad  
James Leming  
Albert Liehr  
Richard Lowe  
Herschel McPheron  
Robert Rohlfling  
Robert VanRheeden  
Eldon Witt

Following is the information in the University of Illinois Graduate College Catalogue regarding the Advanced Certificate in Education:

"Admission--A master's degree from an accredited institution plus a minimum of two years' successful professional employment in education is required.

"Program--A year of specialized professional study is required. Of the eight units of course work required, at least four must be in courses at the 400 level. Students who have not previously taken Education 304, 305, 311, and 312, or equivalents, must take them or pass proficiency examinations. Course work may be taken in minor subjects. The program must be approved by the adviser and submitted in writing to the College of Education office before the student's first registration is completed.

"Residence--The residence requirement is similar to that for the Master of Education."

If you are interested in this degree, ask an Agricultural Education Division staff member to plan a program with you.

LJP

William Robert Cole receives graduate fellowship. Mr. Cole was awarded a University of Illinois graduate fellowship for 1963-64 for graduate study in agricultural education. A graduate fellowship is equivalent financially to a half-time graduate assistantship; however, no work is required from the holder of a fellowship. He is free to devote full time to his course work. Graduate fellowships are awarded on the basis of scholarship merit. We are very pleased to have Mr. Cole as a graduate fellow in agricultural education.

LJP



Graduate assistants for 1963-64. The following persons have been employed as graduate assistants in the Agricultural Education Division for 1963-64:

| <u>Name</u>         | <u>Home state</u> |
|---------------------|-------------------|
| Roy D. Dillon       | Illinois          |
| Norman D. Ehresman  | Indiana           |
| Keith E. Fiscus     | Kansas            |
| Martin B. McMillion | Pennsylvania      |
| Wayne L. Sampson    | Illinois          |

Glenn W. Hayes, who worked as a graduate assistant in the Agricultural Education Division during 1962-63, will be working as an assistant in Vocational Agriculture Service for 1963-64. Kenney E. Gray, graduate assistant for 1962-63, is teaching vocational agriculture at Morton, Mississippi. Dwight W. Heckert, graduate assistant for 1962-63, is teaching vocational agriculture at Dakota, Illinois.

LJP

Paul E. Hemp placement representative for agricultural education. Dr. Hemp will be handling placement in agricultural education. He will work with the teacher placement office as a consultant to facilitate the effective and efficient placement of teachers of agriculture. The Office of Teacher Placement, 200 Gregory Hall, will be responsible for distributing credentials and handling "paper work" relating to placement. Teachers wishing assistance with placement for next year should activate their credentials by January 1964.

LJP

Placement situation. As of September 15, 1963, there were still three schools without agriculture teachers. The large gap between the supply of Illinois teachers and available positions which existed during the entire placement season was largely closed from the following sources:

1. Out-of-state teachers. Six beginning teachers and four experienced teachers from other states were employed in Illinois.
2. Six teachers, returning from other work, were employed.
3. Some schools hired teachers of general agriculture.

During the past year at least 73 placements of vocational agriculture teachers were made in Illinois.

PEII

E370 Agricultural Education for first-year teachers. Beginning teachers, returning teachers, and teachers who are teaching in Illinois for the first time may still enroll in this course. To date there are 42 teachers tentatively enrolled. Some group meetings will be held at Oregon, Bradford, Macomb, McLean, Rankin, White Hall, Effingham, Eldorado, and Murphysboro. Further information may be obtained by contacting your supervisor or by writing to either Dr. G. R. Fuller or Dr. J. R. Warmbrod, 103 Gregory Hall, phone 217-333-0807.

GRF



VOTEC 275 summer experience in agricultural education. Dr. Fuller reports the following 18 student teachers completed their summer experience program during the last two weeks of August and the first week in September of this year.

| <u>Student teacher</u> | <u>School</u>         | <u>Cooperating teacher</u> |
|------------------------|-----------------------|----------------------------|
| Carroll Turner         | Charleston            | J. W. Berger               |
| Robert Fuhr            | Herscher              | Eldon Chapman              |
| Russell Higgins        | Lawrenceville         | Jesse Keyser               |
| Kenneth Krumm          |                       |                            |
| Byron Gregg            | Lincolnwood (Raymond) | William Doerr              |
| Eugene Rench           |                       |                            |
| Ralph Peverly          | Mattoon               | James Leming               |
| Robert Wheeler         | Monticello            | J. Gordon Bidner           |
| Vilas Scanlon          |                       |                            |
| John Peden             | Warren (Monmouth)     | Eldon Aupperle             |
| Robert Daniel          | Woodstock             | George Forgey              |
| Earl Gudeman           | Henry                 | Virgil Foster              |
| Donnie Kunz            |                       |                            |
| Gerald Raistrick       | Mahomet               | Kenneth Knell              |
| Donald Jenkins         | Minonk                | William Martinie           |
| Ralph Baumgartner      | Rochelle              | Glenn Curl                 |
|                        |                       | Keith Wehner               |
| James Trotter          | Sullivan              | Bill Rich                  |
| George Krieder         |                       |                            |

GRF







# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

## Ralph Guthrie--new Chief of Agricultural Education

Mr. Guthrie has been named by the Office of Public Instruction as the new Chief of Agricultural Education. We are proud to have him working for our behalf. More about our new chief will be published in the next issue of the newsletter.

## Mr. O. C. Holt retires

Mr. Orville Holt has retired from his supervisory responsibilities with the State Board of Vocational Education. He completed 35 years of dedicated service to the vocational agriculture program. We extend to him our sincere thanks for the many hours he spent in the promotion of vocational agriculture, and wish him many years of happy retirement.

## Herbert R. Damisch Memorial Scholarship Fund

What has your section done about this worthy cause? A letter from Section 2 stated that 100 percent of their members had donated to this fund. Section 5 has done the same. No doubt, there are many others who have made this donation. Have you mentioned this to your FFA chapter? Many of the FFA members knew Mr. Damisch, and would be happy to know that they were participating in such a worthy undertaking.

## George needs help

A note from former President George Irvine says that he has lost Eldon. Eldon wrote to him regarding plans for the "power stand." George tried to inform him that the plans are available through Vo-Ag Service, but three times his letters have been returned. We hope that the lost party is found.

## Time for a revision

For the last two years, at least, we have been trying to revise our emblem on the stationery and on the newsletter. It has been stated that there are many hidden talents in man that have never been tapped. I have written to two vo-ag teachers who have this ability, but there are many others, too. The executive committee would be very happy to consider any ideas that you put before them. The sooner that you send them to me, the better.



## A few changes

The annual Supervised Farming Program Summary Report for high school students is being revised. It has been tried by a few pilot centers over the state, and will be used this year for the first time by all departments.

One new production award will be available this year entitled, Crop Specialty. Two proposed awards are Crop Farming and Livestock Farming. These awards were discussed at the last meeting of the Illinois FFA Foundation Board of Trustees. The Crop Specialty award was recommended by the special committee appointed last year to study the awards program. The proposed awards will make it possible for the state awards to correspond more closely to the national awards.

Bill Rich, vocational agriculture teacher at Sullivan, has been added to the FFA and FFA Foundation Committee of the IAVAT to replace Bert ~~Fringer~~ who has left the teaching field.

Hormel scoring system will be used this year at the FFA State Judging Contest.

The FFA State Judging Contest will start at noon this year. This was the recommendation of some of the teachers who are located long distances from the University. Some of the teams had to stay overnight involving more expense. We are all concerned about the safety of our students and our fellow agriculture teachers. To arrive on time some of them were leaving as early as two or three o'clock in the morning.

The exchange of ideas contest started by your president last year will be broken down into more categories. At our last executive meeting it was suggested that it might be three categories such as classroom aids, shop aids, and field aids. We would appreciate having your comments. Why not start planning now what you will bring to the conference next year?

## Is your section 100 percent?

A letter from our secretary states that according to his record the following sections have 100 percent paid up membership as of this date: Sections 1, 3, 6, 8, 11, 13, 16, 17, 20.

This is assuming that Wyandot in Section 3 and Niantic in Section 16 have closed their departments for this year. We would certainly appreciate it if you can get your dues into the secretary as soon as possible.

## National Farm-City Week Proclamation

The following item has been received from Walter Bomeli, Region IV Vice-President:

"President Kennedy has designated the week of November 22 through November 28, 1963, as National Farm-City Week, and has called upon our citizens throughout the Nation to participate fully in observation of this week."

You may receive additional information about this activity by contacting the following organization:

The National Farm-City Committee, Inc.  
101 East Erie Street  
Chicago 11, Illinois



## Sectional Reporters for 1963-1964

| <u>Section</u> | <u>Reporter</u>  | <u>School</u> |
|----------------|------------------|---------------|
| 1              | Warren Schmidt   | Oregon        |
| 2              | M. L. Lindsay    | Prophetstown  |
| 3              | Marvin Damron    | Kewanee       |
| 4              | James Gulinger   | Williamsfield |
| 5              | Tom Fitzsimmons  | Brimfield     |
| 6              | Robert Iftner    | Harvard       |
| 7              | Kenneth Anderson | Ottawa        |
| 8              | George Richter   | Newark        |
| 9              | C. J. Kuster     | Normal        |
| 10             | Eldon Chapman    | Herscher      |
| 11             | Fred Russell     | Canton        |
| 12             | Shaw Terwilliger | Virginia      |
| 13             | Mervin Mixer     | Nauvoo        |
| 14             | Dale Barthel     | Rochester     |
| 15             | Victor Funk      | Franklin      |
| 16             | Gordon Bidner    | Monticello    |
| 17             | Kenneth Knell    | Mahomet       |
| 18             | Kent Durbin      | Sidell        |
| 19             | Bill Doerr       | Raymond       |
| 20             | Dwight Mobley    | Newton        |
| 21             | Jerald Binkley   | Kinmundy      |
| 22             | Richard Eade     | Trenton       |
| 23             | Grover Burkett   | Louisville    |
| 24             | Homer Heape      | Murphysboro   |
| 25             | Gary Ellis       | Eldorado      |

These men have been selected to keep all of us informed about the activities that are taking place in each section. Let's give them our support on a job that has a lot of responsibility. They are one of the key public relations group in our organization.

### IAA Conference dates set

The affiliated organizations of the IAA sponsor the December conference for vocational agriculture students who participate in the program. The dates are December 26-28 at Illinois State Normal University. This program was planned at a meeting in July at the IAA Building in Bloomington. The program should inspire the boys who attend.

### American Vocational Association in December

The American Vocational Association meeting will be held in Atlantic City from December 7 to 13. The first session of the NVATA will be held on Saturday at 10:00 a. m. Your president and vice-president are planning to attend this meeting.

### St. Louis host to IVA

Illinois Vocational Association Convention will be held in St. Louis February 27-29, 1964. Your vice-president is busy planning the agenda of activities that will be well worth while. Why not make arrangements to attend this conference? There is to be a joint planning meeting of all the affiliated organizations in St. Louis on Saturday, September 28.



## Section 23 has large teacher turnover

This summer five of the agriculture teaching positions were assumed by new personnel. Mr. Shafer and Mr. Petty went into administration; Mr. Ruckman, Mr. Burgess, and Mr. Buhrmester moved to other sections. The positions with their new teachers are: Lee Riggs, Allendale; Gary Anderson, St. Francisville; Merle Holt, Cisne; Kern Doerner, Clay City; Bill Washburn, Olney.

In other news Section 23 had a very successful vo-ag fair at Bellmont on July 27. Eighty-two boys brought a total of 373 entries. Our farm management course was held on August 9, and a good representation of teachers were present. The fall sectional meeting and surveying course was held August 23.

Section 23 agriculture teachers, like those in most other sections, have worked hard on the summer program, and are ready to start the regular school term in the near future.

## Meet your District 1 director

Clifford J. Sichta was born January 12, 1923, in Chicago, Illinois. His mother died at his birth, and he lived with both maternal and paternal grandparents in northern Illinois. Upon graduation from high school he enlisted in the U. S. Army, and while stationed near Washington, D. C. he met and married his wife, Virginia. After completing a walking tour of Europe, courtesy of the U. S. Infantry, he entered the University of Illinois in February 1946. He left the U. of I. in 1949 with his wife, two sons, one daughter, and a B. S. degree in vocational agriculture. Mr. Sichta has been teaching agriculture for 14 years. He taught at Magnolia-Swaney High School at McNabb for six years, and has been in Lanark since then. He has served as sectional chairman of Section 5, sectional secretary, secretary FFA adviser and secretary chairman of Section 2. He is a member of the IAVAT, NVATA, Carroll County Teacher's Association, IEA, NEA, serving as parliamentarian and NEA delegate for the northwestern division.

Mr. Sichta is a member of the Lanark Methodist Church serving as chairman of the board, lay leader, and teacher of the adult Sunday school class. He is also secretary of the Lanark Lions Club, and a troop committeeman of the local Boy Scout troupe.

His hobbies can be divided into two categories: history and guns. He avidly collects memorabilia pertaining to Abraham Lincoln, the Civil War, and men who have been instrumental in developing the democracy in which we live. His interest in guns covers the entire field of shooting and collecting. He is qualified as a National Rifle Association Rifle Marksman-ship instructor, Hunter safety instructor, and club leader of the Lanark FFA Rifle Club.

Mr. and Mrs. Sichta have four children: Cliff, jr., a sophomore at Illinois Wesleyan, studying for the ministry; Bob, a senior at Lanark High School; Margaret, a sophomore at Lanark High School; and Susan in the eighth grade.

A teacher affects eternity; he can never tell where his influence stops. --Henry B. Adams.

The teacher is one who makes two ideas grow where only one grew before. --Elbert Hubbard.

Please send your news to:

William Martinie  
Minonk, Illinois





-----  
TO Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois 61803

Please send the following items:

| <u>Number</u> | <u>Price each</u> * | <u>Total amount</u>   |
|---------------|---------------------|---|
| _____         | 15¢                 | _____ Grading sheet for record<br>book, package of 25         |
| _____         | 10¢                 | _____ Problem illustration for<br>Planning Your Farm Business |
| _____         | 25¢                 | _____ Land-Use Selection Cards,<br>package of 25              |

\*All prices are f. o. b. , Urbana

Name \_\_\_\_\_ School \_\_\_\_\_

AIDS, OCTOBER 1963



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| Sheep Day . . . . .   | 2                   |
| \$300 college scholarship . . . . .                               | 3                   |



# PRICE LIST OF FEEDS<sup>1/</sup>

September 20, 1963

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed                                | Cost per bu., cwt., or<br>tons in dollars |
|---|---|
| Corn, shelled, bu. ....                     | 1.20                                      |
| Corn, ground shelled, bu. ....              | 1.30                                      |
| Corn, ground ear, bu. ....                  | 1.30                                      |
| Oats, bu. ....                              | .58                                       |
| Oats, ground, bu. ....                      | .68                                       |
| Barley, feed, bu. ....                      | 1.05                                      |
| Barley, ground or rolled, bu. ....          | 1.15                                      |
| Sorghum, grain cwt. ....                    | 1.90                                      |
| Sorghum, grain, cracked, cwt. ....          | 2.00                                      |
| Skim and buttermilk, cwt. ....              | 1.50                                      |
| Whole milk, Grade B, cwt. ....              | 3.00                                      |
| Corn silage, ton ....                       | 12.00                                     |
| Sorghum silage, ton ....                    | 11.00                                     |
| Grass silage, ton                           |   |
| No preservative added ....                  | 8.00                                      |
| Preserved with 70-100 lb. molasses ....     | 11.00                                     |
| Preserved with 150-200 lb. ground corn .... | 13.00                                     |
| Clover and mixed hay ....                   | 26.00                                     |
| Soybean hay ....                            | 20.00                                     |
| Alfalfa ....                                | 26.00                                     |
| Timothy hay ....                            | 20.00                                     |
| Oat straw ....                              | 18.00                                     |

<sup>1/</sup> Prepared by W. W. Albert, Department of Animal Science, University of Illinois, Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

*University of Illinois · College of Agriculture*

**434 MUMFORD HALL · URBANA, ILLINOIS**

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# VO-AG AIDS

Volume 22, Number 4

November 1963

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Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education





# VO-AG SERVICE

## Announcements & Notes

Lincoln Arc Welding Award program. Announcement of the 1963-64 program of awards for agriculture students sponsored by the James F. Lincoln Arc Welding Foundation has been sent to all vocational agriculture instructors by Mr. Charles G. Herbruck, Secretary. Students can obtain the complete rules for the award program and an entry blank by sending in one of the cards included with the announcement.

JWM

Dairy equipment plans. A new publication entitled "Dairy Equipment Plans and Housing Needs" has been released by Midwest Plan Service. A copy was included in the November shipment of Agricultural Releases. Additional copies of this 72-page publication are available at a cost of \$1.00 per copy, and may be obtained by writing either to the Department of Agricultural Engineering or to Vocational Agriculture Service.

JWM

Bulletins and circulars. One new publication, Illinois Circular 872, Farm Ponds, has been received since the last issue of the AIDS. A copy of this circular has been included in the November Agricultural Releases. For out-of-state readers wishing to order this publication, it is priced at ten cents (10¢) per copy.

JWM

Farm management course materials. All orders for these materials have been sent and should have been received by this time. If you failed to receive your order, please let us know. We have a few copies (100 or more) of most of the items remaining which are available on a first-come first-served basis. They are listed on a tear sheet in the back of this issue of the AIDS.

JHH

Agriculture in the Illinois Economy. Dr. W. N. Thompson of the Department of Agricultural Economics informs us that each Illinois teacher has been sent a copy of this publication, recently completed by the College. It should be a helpful reference for Vo-Ag students and also for others in the school system. The distribution policy is to send single copies free of charge, but quantity copies are \$2.00 each. Orders can be sent to Vocational Agriculture Service.

JHH



Marketing Grain Through A Grain Exchange. Mr. Irwin B. Johnson, Educational Director of the Board of Trade, indicates that his organization will furnish, without charge, sufficient copies of this publication to teachers for classroom use. The publication is intended as a successor to material formerly included under the same title as one of our subject-matter units and as a pamphlet distributed by the Board of Trade. Please do not request more copies than the number of students in your largest class. Send requests direct to:

Mr. Irwin B. Johnson, Director  
Information and Education  
Board of Trade  
141 West Jackson Boulevard  
Chicago 4, Illinois

A filmstrip, along with a script, is available on the subject of "Hedging." Please ask for these items only if you feel you will make sufficient use of them to justify doing so.

JHH

Extension slidefilms and slides. All of the extension slidefilms and slide sets which were ordered have been sent. An error was made in listing the titles of the slidefilms on the form letter you received. Therefore, the letter may not agree with the films that were sent. The films which were sent were the ones that you ordered and the amount for which you were billed was correct. Please disregard the titles that were listed on the form letter.

We received two of these slidefilms back from the Chicago Post Office which were found loose in the mail. We have no way of telling who failed to receive their entire shipment. Please advise if you did not receive your complete shipment.

RLC

Forest tree application forms. Through the cooperation of Professor W. F. Bulkley, we are enclosing an application for forest tree planting stock and a listing of trees available for reforestation purposes. These application forms are being sent to vocational agriculture teachers in Illinois because the stock is available only to Illinois landowners. The nurseries will accept orders between September 1, 1963 and April 17, 1964. No planting stock will be sold for fall delivery this year from state-operated nurseries.

RLC

Sample grain rings for judging. Grain judging rings for corn, oats, soybeans, and wheat are being made available to vocational agriculture departments by the Field and Furrow Club at the University of Illinois. Each ring will consist of four 8-ounce samples with an official placing and reasons. Orders will be accumulated until December 1 and shipment will be made as soon as possible after this date.

Each ring will sell for \$2.00, or \$7.50 for the complete set of four, f. o. b. , Urbana. Charges can be placed against your open account. This item is included on the tear sheet for the convenience of those who may wish to order.

RLC



Electrical controls kits. The first ten loan kits of electrical controls have been completed, including instructional materials to use with them. The program was launched on October 31 with a training course for the electric power supplier representatives and other individuals who will be in charge of the kits. On the basis of teacher interest and the availability of a qualified individual willing to conduct a sectional course for teachers, the following sections were selected to have a kit during this school year.

| <u>Section</u> | <u>Individual (s) in Charge</u>   |
|----------------|---|
| 2              | Robert E. Liehr, Vocational Agriculture Instructor, Morrison  |
| 3              | LeRoy V. Hard, Farmers Mutual Electric Co., Geneseo   |
| 5              | John Ewan, Central Illinois Light Co., Lacon<br>Mark Kemper, Central Illinois Light Co., Peoria         |
| 7              | R. K. May, Illinois Power Co., LaSalle  |
| 9              | Joe Crosno, Corn Belt Electric Coop., Bloomington   |
| 14             | Roy Goode, Rural Electric Convenience Coop., Auburn<br>Dorland Smith, Menard Electric Coop., Petersburg |
| 15             | Karl Longenbaugh, Illinois Rural Electric Coop., Winchester   |
| 16             | John L. Ingham, Illinois Power Co., Decatur   |
| 21             | Andy Bird, Tri-County Electric Coop., Mt. Vernon  |
| 23             | Roy L. Morris, Wayne-White Counties Electric Coop., Fairfield   |

The chairman of each of these sections should contact the individual in charge of the kit in his section and arrange for a sectional training course for teachers. As soon as that course is held, the kit will be available for scheduling to the teachers who attend.

If there are teachers in neighboring sections to those listed above who are especially anxious to use a kit, they may wish to contact the individual in charge and arrange to attend the training course. If the schedule permits, they may be able to obtain the kit. Teachers in the ten sections named, however, will have priority this year.

JWM

Bred ewe sale. Mr. Eugene Megli, Normal, Illinois, sent us the following announcement of their Suffolk Breeders' Bred Ewe Sale. Since many of you will be helping boys buy bred ewes, we are relaying the announcement on to you. It is as follows:

Approximately 50 select brood ewes and 10 top ewe lambs will be sold at the Seventh Annual Illinois Suffolk Breeders' Bred Ewe Sale on Saturday afternoon, December 7, 1963, at the Fairgrounds in Springfield, Illinois.

Leading breeders are offering top individuals to insure a high-quality offering. Sale attractions include show winners at top 1963 shows and other outstanding sheep of similar blood lines. Promise of top show yearlings is to be found in the ewe lamb offering.

All consignments will be ready for inspection in the sheep sale pavilion at the State Fairgrounds, Springfield, Illinois, after 10:00 a. m., Saturday, December 7, 1963. The sale will start promptly at 1:00 p. m., CST.



Sale manager: Eugene Megli  
501 Broadway  
Normal, Illinois

Sherwood Jackson  
Seneca, Illinois

John Trapp  
Georgetown, Illinois

WHW

### NEW BOOKS

The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

EDUCATORS GUIDE TO FREE GUIDANCE MATERIALS, 1963. Educators Progress Service, Randolph, Wisconsin. \$6.50.

According to information contained in the publisher's foreword and other material sent with the publication:

"This is the second annual edition of EDUCATORS GUIDE TO FREE GUIDANCE MATERIALS. This guide is devoted exclusively to free guidance and counseling resource materials, based on the cross-media approach.

"Free guidance and counseling materials listed include 553 films, 51 filmstrips, 198 printed materials, 39 scripts, 28 tapes, and 18 transcriptions. They are classified under the following main headings: Career Planning Materials; Social-Personal Materials; Responsibility; Individual and Cultural, and Use of Leisure Time."

EDUCATORS GUIDE TO FREE SOCIAL STUDIES MATERIALS, 1963. \$6.75. Educators Progress Service, Randolph, Wisconsin.

The following is excerpted from the material accompanying this publication:

"The THIRD annual edition of EDUCATORS GUIDE TO FREE SOCIAL STUDIES MATERIALS is a professional cyclopedic service based on the cross-media approach in teaching.

"It is a complete, up-to-date, annotated schedule of selected currently available audio-visual and other studies curriculum enrichment aids....."





"This THIRD edition lists, classifies, and provides complete information on titles, sources, availability, and contents of 1,291 films, 99 filmstrips, 26 sets of slides, 125 tapes, 7 scripts, 71 transcriptions, and 324 other materials....a total of 1,943 items, of which 740, or 38.1% are new in this edition."

PROFITABLE FARM MANAGEMENT 2nd Edition, Hamilton and Bryant. 1963. \$6.48.  
Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

According to the authors:

"Profitable Farm Management, Second Edition, presents the principles of efficient farm management and shows how they may be applied for better living and greater profits. The material has been organized so that the reader can easily find the answers to his specific management problems.

"Part I is intended for the beginning farmer. . . . Part II treats in detail the varied problems of getting a farm started or of starting out on the job of farm management. Part III shows how a farm may be improved through surveying, analyzing, and re-organizing the farm business. . . . Part IV deals with the farmer's relations with the larger community of which he is a part."





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Prentice-Hall scholarship. We have the official application forms for the Prentice-Hall agricultural education scholarship for graduate work in agricultural education. The scholarship provides \$125 for summer courses. If you are interested and if your undergraduate and graduate grades are good, please get in touch with us.

LJP

VOTEC E477 enrollment. The enrollment in VOTEC E477, Field Studies in Agricultural Education, is encouraging. Twenty-four persons are enrolled for the course at Carlyle and 15 are enrolled at West Frankfort. The Carlyle group meets Tuesday evening, and the West Frankfort group meets Wednesday evening. The two most popular field studies are (1) determining non-farm agricultural job opportunities in a local area and (2) re-planning agricultural mechanics courses. The following schedule will be followed in the offering of VOTEC E477:

|         |            |                |                       |
|---------|------------|----------------|-----------------------|
| 1964-65 | District 2 | Sections 6-10  | Northeastern Illinois |
| 1965-66 | District 3 | Sections 11-16 | Western Illinois      |
| 1966-67 | District 4 | Sections 17-20 | East-central Illinois |
| 1967-68 | District 1 | Sections 1-5   | Northwestern Illinois |

VOTEC E477 may be used for either the Master's degree or the Advanced Certificate in Education degree. Keep this course in mind when planning your program of courses.

LJP

Additional Advanced Certificate in Education programs planned. During the past months six additional Illinois teachers of agriculture have started the program for the Advanced Certificate in Education. They are:

|               |               |
|---------------|---------------|
| Philip Gill   | Carlyle       |
| Cedric Gowler | Centralia     |
| Harold Hall   | Farina        |
| Richard Lowe  | St. Elmo      |
| Jesse Keyser  | Lawrenceville |
| Dale Ruckman  | Vandalia      |

LJP



Freshmen in agricultural education. A total of 17 College of Agriculture freshmen enrolled in the vocational agriculture curriculum at fall registration. It is anticipated that several additional students will transfer to this program before the end of the year. If you have the names of any freshmen students not listed who should be contacted, please let us know.

| <u>Name</u>              | <u>School</u>        | <u>Teacher</u>    |
|--------------------------|----------------------|-------------------|
| Abell, John L.           | Eldorado             | Gary Ellis        |
| Belton, Thomas R.        | Jamaica (Sidell)     | Kent Durbin       |
| Carleton, James R.       | Broadlands           | B. R. Littlefield |
| Drake, David W.          | Beason               | Dorr Simer        |
| Engelbrecht, Lawrence G. | Henry-Senachwine     | Max Foster        |
| Fink, Warren M.          | Beason               | Dorr Simer        |
| Funk, Gary E.            | Mt. Auburn           | Paul Brown        |
| Harris, Philip R.        | Shabbona             | Porter J. Martin  |
| Johnson, William B.      | Kaneland             | T. W. Anderson    |
| Lipp, Glenn I.           | Warren (Monmouth)    | Eldon Aupperle    |
| Marcum, Kenneth R.       | Shabbona             | Porter J. Martin  |
| Marron, Thomas J.        | Mt. Carmel (Chicago) |                   |
| McNamara, William T.     | Minonk-Dana-Rutland  | William Martinie  |
| Mears, Larry L.          | Greenfield           |                   |
| Pierson, Max E.          | Princeton            | Gale V. Gossett   |
| Stork, Jack N.           | Sparta               | Raymond E. Deason |
| Timpe, Roger V.          | Galena               | Wayne R. Pillen   |

Dr. G. R. Fuller is advising freshmen in the vocational agriculture curriculum. In order that the best possible counseling can be provided, Dr. Fuller would like parents and teachers to feel free to contact him at any time concerning problems or questions which may arise. Write to Dr. G. R. Fuller, Agricultural Education Division, 103 Gregory Hall, Urbana.

GRF

Student teaching assignments. Twelve students from the University of Illinois will begin their student teaching on November 4, and return to the campus after Christmas vacation. Cooperating schools for the fall semester include Charleston, Herscher, Lawrenceville, Lincolnwood (Raymond), Mattoon, Monticello, Warren (Monmouth), and Woodstock.

Names of the student teachers and other data regarding their vocational background are:

| <u>Name</u>     | <u>High school attended</u> | <u>Years of Vo-Ag taken</u> | <u>Vo-Ag teacher</u> |
|-----------------|-----------------------------|-----------------------------|----------------------|
| Robert Daniel   | Belvidere                   | 4                           | D. J. Witt           |
| Robert Fuhr     | Aledo                       | 4                           | E. E. Lutz           |
| Byron Gregg     | Shelbyville                 | 4                           | Kenneth Diehl        |
| Russell Higgins | Mt. Carmel                  | 2                           | Robert Irvin         |
| Donald Murray   | Sandoval                    | 0                           |                      |
| Gerald Nolte    | Woodstock                   | 3                           | Elwood Howell        |
| John Peden      | Kewanee                     | 4                           | James Golby          |
| Ralph Peverly   | Perrysville, Indiana        | 0                           |                      |
| Eugene Rench    | Stonington                  | 4                           | Evan Allen           |
| Gene Scanlan    | Colusa                      | 4                           | Jim O'Hara           |
| Carroll Turner  | Waverly                     | 4                           | Ralph Twenhafel      |
| Robert Wheeler  | Flora                       | 4                           | G. S. Zimmerman      |



First-year teachers' course. A total of 36 teachers have enrolled in the first-year teachers' course (VOTEC E370). New teachers accepting positions at mid-year are eligible to participate in the second semester of the course and should contact Dr. G. R. Fuller, 103 Gregory Hall.

| <u>Meeting center</u> | <u>Teacher</u>   | <u>High School</u>   |
|-----------------------|--|--|
| Oregon                | Bernard, Robert<br>Carley, Harvey<br>Heckert, Dwight                                     | Amboy<br>Malta<br>Dakota   |
| Bradford              | Cinnamon, William<br>Gosnell, Lynn<br>Manthe, James<br>Moens, Ralph<br>Ulvestad, Victor  | Malden<br>Bradford<br>Wethersfield (Kewanee)<br>Atkinson<br>Wyanet |
| Macomb                | Ewalt, Roy<br>Lowe, Larry<br>Melhouse, Larry<br>Vogler, Dan                              | Hamilton<br>Elmwood<br>Avon<br>Warsaw                              |
| McLean                | Anderson, Lanny<br>McCoy, Charles<br>Sargeant, Don                                       | Easton<br>McLean<br>Downs  |
| Rankin                | DeYoung, James<br>Fathauer, Dale<br>Holstine, Russell<br>Konrad, Harold<br>Stickler, Ron | Rankin<br>Cullom<br>Catlin<br>Wellington<br>Bismarck               |

Dr. Fuller is working with the following men:

|             |  |  |
|-------------|--|--|
| White Hall  | DeWerf, William<br>Dunn, Raymond<br>Eagleton, William<br>Ellis, Gary<br>Fesser, Lamar<br>Morton, J. Fred | Hardin<br>White Hall<br>Alton<br>Carlinville<br>Palmyra<br>Meredosia |
| Effingham   | Doerner, Kern<br>Romack, Keith<br>Whittington, Bob   | Clay City<br>Toldeo<br>Olney   |
| Eldorado    | Krumm, Kenneth<br>Stoker, Wayne<br>Turner, Edward<br>Weigel, Albert                                      | Mills Prairie<br>Eldorado<br>Golconda<br>Cave-in-Rock                |
| Murphysboro | Detwiler, Robert<br>Heller, Lowell<br>Kuntz, James   | Chester<br>Dongola<br>Marissa  |





Annual placement summary. During the past year, 85 placements of vocational agriculture teachers were made in Illinois. Other placement data for the period September 1, 1962 to September 1, 1963 are as follows:

|  |    |
|--|----|
| Number of inexperienced and out-of-state teachers placed                               | 37 |
| Number of experienced teachers placed  | 53 |
| Number of out-of-state teachers placed   | 10 |
| Number of teachers returning to teaching from other work                               | 6  |
| Number of returning servicemen placed  | 2  |
| Number of teachers qualified at the University of Illinois                             | 25 |
| A. Placed as teachers  | 14 |
| B. Graduate School   | 5  |
| C. Military service  | 0  |
| D. Other work  | 6  |
| Beginning teachers entering teaching from graduate school                              | 2  |
| Number of teachers placed who were teaching in Illinois as of<br>September 1, 1962     | 42 |
| Number of teachers placed who were not teaching in Illinois as of<br>September 1, 1962 | 43 |

PEH





# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

## Meet your new Chief of Agricultural Education

Mr. Ralph Guthrie was born March 25, 1915, on a general livestock farm in Nebo, Illinois. This town is located in Pike County. He attended the Nebo High School and was graduated in 1933. He chose to further his education by attending Western Illinois University for two years and transferring to the University of Illinois where he received his Bachelor of Science Degree in Education in 1940. He was graduated from the University of Illinois with high honors. He also received his M. S. in education from the same institution in 1950.

Mr. Guthrie taught grade school for two years during the middle thirties. However, after completing his college training, he started teaching vocational agriculture at Payson High School where he started the program. He taught vocational agriculture for ten years at St. Joseph High School, and Princeville High School for two years. He was a cooperating teacher for the University of Illinois while teaching at the last two places.

In 1954 he was appointed a supervisor of agricultural education, holding this position until his recent appointment as Chief of Agricultural Education. He has also been active in FFA serving as secretary of the State Sponsoring Committee for three years.

He and his wife Dorothy have two sons. Larry is 18 and a sophomore at the University of Illinois. Roger is 14 years of age and in the ninth grade.

## Herbert R. Damisch Memorial Scholarship Fund

Recently you received a sheet of explanation concerning the use of these funds. One of the sentences went like this: "The greatest honor we can pay him now is to carry on and bring to reality his dreams for the future of vocational agriculture in Illinois." It is up to us to see that his dreams are carried out through our actions and our contributions to this worthy cause. Send contributions to Joe Berger.

## Professor H. J. Rucker has new address

Professor Herbert J. Rucker, who retired from Vocational Agriculture Service in 1956, has moved with his wife from their home in Urbana to Evenglow Lodge in Pontiac, Illinois. His address is 215 East Washington Street, Pontiac. Mr. Rucker was a leader in vocational agriculture in Illinois for many years, first as a teacher and then as a teacher-trainer.



supervising student teachers. From 1940 to 1956, on the staff of Vo-Ag Service, he developed many teaching aids, particularly in the slidefilm field. His many friends and former students may wish to drop him a line or pay a call at his new address.

### "30-minute club members"

If you have an article published in any national magazine during the year, please send me your name, address, and a copy of your article. During the June conference you will be presented with your "30-minute club card." Please send this information as soon as you have your article published. It would be a thrill to have 30 or more cards to present.

### What happens to your dues?

The package deal on dues, as you know, is \$11.50. The breakdown is: AVA \$5.00; IVA \$.40; NVATA \$3.00; and IAVAT \$3.10. The price of the Agricultural Education magazine is \$3.00, making a total of \$14.50, if you pay for the total package deal.

In a recent letter from our secretary of the IAVAT, he pointed out that we still have a few teachers who have not paid their dues. It is our hope that you will take care of this matter soon so that we can be 100 percent by the time of the AVA in December.

### What is your reaction to this proposal?

There will be a proposal presented to the AVA delegate body to raise the dues from \$5.00 to \$10.00 on Thursday, December 12, at 3:00 p.m. This proposal was considered necessary by the AVA Membership Committee. They have studied many professional organizations and found that their dues range from \$6.00 to \$2,500 a year. A few examples pointed out in one of the paragraphs are: \$10.00 for National Education Association; \$27.00 for American Personnel and Guidance Association; \$20.00 for American Home Association, and \$25.00 American Association of School Administrators. It should also be pointed out that if the IAVAT has 100 percent membership they will receive a rebate of \$3.00 per member, if my interpretation of this resolution is correct.

Most of you know what has happened to the cost of operating any type of business or organization. AVA dues have not been changed since 1955. This means that eventually the type of service that can be expected is either going to be less or of poorer quality. These are a few of the facts. Please let me know what your reactions to this proposal are. Doc Rice and I will do our best to carry out your wishes when this proposal is brought before the voting delegation.

### Be sure to read

"Can Vo-Ag Answer Its Critics" is the title of an article published in the November issue of the Farm Journal on page 33. Dr. Tenney has some good analogies that are worth your consideration.

### Help

I would certainly appreciate it if any fellow agriculture teachers who have completed 10, 20, 25, 30, or 35 years of service would let me know. We do not want to leave out anyone, and never do it on purpose. It won't take much of your time to drop me a line. Please accept this as your responsibility to let me know. Thank you!



## AGRICULTURAL DIVISION CONVENTION PROGRAM

Atlantic City, New Jersey  
December 7-12, 1963

### Saturday, December 7

|                   |   |
|-------------------|---|
| 10:00-11:30 a. m. | NVATA First General Session                                     |
| 1:00- 2:15 p. m.  | NVATA Special Program   |
| 2:30- 4:30 p. m.  | NVATA First Regional Meetings                                   |
| 6:00 p. m.        | NVATA State President's Dinner (sponsored by Swift and Company) |

### Sunday, December 8

|                 |   |
|-----------------|---|
| 8:00-9:30 a. m. | NVATA Breakfast--Combined ag groups and wives (sponsored by A. O. Harvestore) |
| 1:00-2:30 p. m. | NVATA Second General Session  |
| 2:45-4:30 p. m. | NVATA Group Meetings (4)  |
| 4:30-6:00 p. m. | Reception--Combined ag groups and wives (sponsored by Region VI of NVATA)     |

### Monday, December 9

|                   |  |
|-------------------|--|
| 8:00 a. m. -noon  | Ag Division Committee Meetings   |
| 10:00 a. m. -noon | NVATA Second Regional Meetings   |
| 1:30-3:45 p. m.   | Combined Agricultural Groups. Topics: "Agriculture Education for a Changing Agriculture" |
| 4:00-5:30 p. m.   | Ag Executive Council Meeting   |
| 6:00-7:30 p. m.   | NVATA Past Officers' Meeting and Dinner  |
| 8:00 p. m.        | First AVA General Session  |

### Tuesday, December 10

|                   |   |
|-------------------|---|
| 7:00 a. m.        | Breakfast: Combined ag education groups and wives (Sponsored by Farm Cooperatives of North Atlantic Region) |
| 8:30-9:30 a. m.   | Business Meeting--Combined ag groups  |
| 9:30 -noon        | Ag Division Visit Exhibits  |
| 12:15- 1:45 p. m. | International Harvester Luncheon--Combined ag groups and wives  |
| 2:15-4:30 p. m.   | Combined ag groups. Theme: "Education for Farming and for Off-Farm Ag Occupations"                          |
| 4:30-5:30 p. m.   | Meeting of Editing-Managing Board, Ag Ed Magazine   |
| 6:00 p. m.        | Dinner: Editing-Managing Board  |
| 8:00 p. m.        | AVA Second General Session  |

### Wednesday, December 11

|                  |  |
|------------------|--|
| 7:30-11:30 a. m. | State Supervisors' Breakfast   |
| 7:30-11:30 a. m. | Teacher Educators' Breakfast   |
| 7:30- 9:30 a. m. | NVATA Awards Breakfast for members and wives (Sponsored by Allis-Chalmers) |
| 9:45 a. m. -noon | NVATA Final General Session  |
| 2:00-4:00 p. m.  | Combined Agricultural Groups. Theme: "Vo-Ag in Larger Schools"             |
| 6:00 p. m.       | AVA Banquet  |





## Thursday, December 12

|                   |  |
|-------------------|--|
| 9:00-11:30 a. m.  | Combined Agricultural Groups. Theme: "Exploring Agricultural Careers Through Vocational and Technical Agriculture" |
| 12:00- 1:30 p. m. | Luncheon: Combined ag groups and wives (sponsored by A&P Tea Company)  |
| 1:45-3:00 p. m.   | Combined ag groups: Convention Summary and Final Business Session  |
| 3:00-5:00 p. m.   | AVA House of Delegates   |
| 7:30 p. m.        | Ships Program  |

### Congratulations

Mr. George Ritcher, vocational agriculture teacher at Newark, has been appointed to the supervisory staff. He will assume his duties as soon as a replacement has been selected by the local board of education. He will be a great asset to teachers of vocational agriculture.

### Items of interest

There are 433 departments of vocational agriculture in the State of Illinois in 1963-64. One new department, Mt. Pulaski, has been added.

This summer 312 vocational agriculture teachers attended the farm management course. Other phases of farm management will be covered in 1964.

You might like to read an article entitled "Will Your School Drop Vo-Ag?" appearing in the July-August issue of Farm Profit published by Massey-Ferguson.

At the end of this newsletter are items of interest that have been sent to me by your Public Relations Officer. This should give an idea to a few of the other officers. Your help will be appreciated. This is one way of sharing the activities throughout the year.

### Clinton FFA Chapter builds memorial marker

The Clinton FFA Chapter has recently completed and dedicated a memorial marker that is thought to be the first of its kind in Illinois. It is constructed of white concrete blocks on a reinforced concrete base. The lower part is six blocks long and two blocks wide. The main part is three blocks long and seven blocks high. There are flowers in the base on each side of the main part. At the top of the front facing the highway is the word CLINTON, below this is the official FFA sign with the word CHAPTER. where the name of the town usually goes, and below that is the word WELCOME.

One end has a bronze plaque in memory of Richard Jones and Leon Goodpasture, two FFA members who were killed in an automobile accident last Christmas.

Most of the material was donated by interested citizens of the community. The marker is located along Route 51 at the north edge of town. It serves as a memorial to the two former FFA members, it promotes the FFA, it welcomes visitors to the city of Clinton, and it contributes to a good rural-urban relationship.



District III Director, Frank O. Young

I was born at Downs, Illinois, on December 13, 1913. I attended schools there graduating from Downs Community High School.

In 1936 I graduated from Illinois State Normal University, and have some of the work done on my M. S. degree at the University of Illinois.

Presently I am teaching at Washington Community High School. This is my twenty-fifth year of teaching, having taught at Hume, Charleston, and V. I. T. From 1946 to 1949 I farmed a grain and livestock farm.

I am an Honorary State Farmer and a Mason, a member of the Official Board of the Methodist Church, and a member of the Tazewell County Farm Bureau.

I am married to the former Lucile Burnett of Downs. We have a daughter, Jane Ann, who graduated from Illinois Wesleyan University in 1963 and is now teaching English and speech in the Junior High School in Bloomington; and a son, Robert, who is a senior at Washington Community High School.

Activities of Section 16 reported by Gordon Bidner, Public Relations Officer

The Section 16 FFA Fair was held in Decatur with 17 schools participating. There were 187 boys exhibiting with a total of 852 entries. The new fair managers are David Sistler, Charles Doty, and M. J. Nicol.

The Wapella FFA Chapter has been commissioned to map and survey the Wapella Community Fire District. Mr. Schettler has two student teachers from ISNU--Don Sutton from El Paso and Larry Kimble from Milford.

The Blue Mound Department has an exchange student from Laos enrolled in vocational agriculture. His name is Watt Symoun.

The LeRoy Department has been given the opportunity to seed the lawn and landscape the new junior high school building.

Bellflower's agriculture enrollment jumped from 12 to 21 this year. Congratulations!

The Arthur agriculture enrollment this year includes a girl. This is the first time in 15 years that a girl has been in the department. This is also the first time in eight years that they have had more than 20 students in agriculture. This year they have 26 students. This is a rather interesting chain of events.

Section 16 has a new chapter this year--Tri-Valley. The Downs and Ellsworth schools consolidated into a new school located at Downs. They have 36 members in vocational agriculture.

The Mansfield Chapter plans to have a Turkey Shoot two weeks before Thanksgiving as a fund-raising campaign.



The Bement Chapter and a sophomore student have a 26-acre experimental plot. They are using one variety of corn and various populations and various fertilizer applications.

Clarence Hanover and his young farmer class went to the University of Missouri in July for a day at the College of Agriculture. They went to Purdue University last year.

Maroa's Department is up to a total of 41 students this year. M. J. Nicol is a co-operating teacher with ISNU, too. He has two students--Richard Tilton of Dalton City and Bentley Busing of Cooksville.

Two of our agriculture instructors, Luther Wells of Macon and W. E. Bucy of Mt. Zion, have their work cars painted FFA colors with the emblem and scroll on the front door.

Farmer City won the honor of representing Illinois in the National Livestock Judging Contest. Congratulations to a group of deserving boys and their instructor Gene Elliott. This chapter also had its first hog sale this year. They recently moved into a new agriculture building.

Monticello has two student teachers from the University of Illinois. They are Gene Scanlan of Burnside and Bob Wheeler of Xenia. As Public Relations Officer of Section 16, Mr. Bidner sent a letter to all of the administrators in the section listing all of the activities for the year.

Mr. Orval Floyd, State Supervisor, is now with Section 16.

#### Activities of Section 11 as reported by Mervin Mixer, Public Relations Officer

Section 11 Vocational Agriculture teachers had their wives as their guests at their fall sectional meeting. Mr. Engelking, State Supervisor, spoke on "The Most Important Man in Vocational Agriculture is You."

The teachers had a meeting in Macomb prior to the section land judging contest with Lester Bushue of the SCS office. He reviewed and discussed the contest and clarified many points concerning the score card.



To Vocational Agriculture Service  
 434 Mumford Hall  
 Urbana, Illinois 61803

Please send the following items:

| <u>No. of copies</u> | <u>Price each*</u> | <u>Total Amount</u> | <u>Farm Management Course Materials</u>                             |
|----------------------|--------------------|---------------------|---|
| _____                | 2¢                 | _____               | Analysis Chart for the Farm Business                                |
| _____                | 4¢                 | _____               | The Use of the Income Possibilities Form                            |
| _____                | 3¢                 | _____               | <u>Form:</u> "Income Possibilities On Your Farm"                    |
| _____                | 2¢                 | _____               | Machine Costs   |
| _____                | 3¢                 | _____               | FM8, Costs of Using Farm Machinery                                  |
| _____                | 3¢                 | _____               | FM8b, Revised, Custom Rates and Machinery Rental Rates for Illinois |
| _____                | 3¢                 | _____               | FM Facts and Opinions Letters on Fitting Machinery to the Farm      |
| _____                | 4¢                 | _____               | Fitting Livestock to the Farm                                       |
| _____                | 4¢                 | _____               | Income Tax Management for Farmers                                   |
| _____                | 3¢                 | _____               | Partial budget form (double sheet of 4 forms)                       |

Grain Judging Samples

(Shipment to be made soon after December 1)

|       |        |       |                                  |
|-------|--------|-------|----------------------------------|
| _____ | \$2.00 | _____ | Ring of corn (4 samples)         |
| _____ | \$2.00 | _____ | Ring of oats (4 samples)         |
| _____ | \$2.00 | _____ | Ring of soybeans (4 samples)     |
| _____ | \$2.00 | _____ | Ring of wheat (4 samples)        |
| _____ | \$7.50 | _____ | Complete set of four rings above |

\*All prices are f. o. b. , Urbana

Name \_\_\_\_\_ School \_\_\_\_\_





INDEX TO ITEMS IN VO-AG SECTION

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## PRICE LIST OF FEEDS<sup>1/</sup>

October 21, 1963

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| Kind of feed   | Cost per bu., cwt.,<br>or tons in dollars |
|--|---|
| Corn, shelled, bu. . . . .                           | 1.10                                      |
| Corn, ground shelled, bu. . . . .                    | 1.20                                      |
| Corn, ground ear, bu.. . . .                         | 1.20                                      |
| Oats, bu. . . . .                                    | .62                                       |
| Oats, ground, bu. . . . .                            | .72                                       |
| Barley, feed, bu. . . . .                            | 1.07                                      |
| Barley, ground or rolled, bu. . . . .                | 1.17                                      |
| Sorghum, grain, cwt. . . . .                         | 1.91                                      |
| Sorghum, grain, cracked, cwt. . . . .                | 2.01                                      |
| Skim and buttermilk, cwt. . . . .                    | 1.50                                      |
| Whole milk, Grade B, cwt. . . . .                    | 3.00                                      |
| Corn silage, ton . . . . .                           | 12.00                                     |
| Sorghum silage, ton . . . . .                        | 11.00                                     |
| Grass silage, ton                                    |   |
| No preservative added . . . . .                      | 8.00                                      |
| Preserved with 70-100 lb. molasses . . . . .         | 11.00                                     |
| Preserved with 150-200 lb. ground corn . . . . .     | 13.00                                     |
| Clover and mixed hay . . . (Prices are for . . . . . | 26.00                                     |
| Soybean hay . . . . . ( baled hay . . . . .          | 20.00                                     |
| Alfalfa . . . . . (Loose hay will be . . . . .       | 26.00                                     |
| Timothy hay . . . . . (\$5.00 less per . . . . .     | 20.00                                     |
| Oat straw . . . . . ( ton . . . . .                  | 18.00                                     |

<sup>1/</sup> Prepared by W. W. Albert, Department of Animal Science, University of Illinois, Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

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# VO-AG AIDS

Volume 22, Number 5

December 1963

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Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

New subject-matter units. Quantity copies of 14 new subject-matter units have been sent to those schools having advance orders. The units sent were as follows:

| <u>Unit No.</u> | <u>Title</u>                                      | <u>No. of pages</u> |
|-----------------|---|---------------------|
| 1001a           | Caring for the Sheep Breeding Flock               | 8                   |
| 1002a           | Artificial Insemination of Livestock              | 8                   |
| 1035            | Cattle Grubs                                      | 4                   |
| 1036            | Swine Feeds and Feeding                           | 12                  |
| 2006a           | Choosing the Specific Crops to Grow               | 12                  |
| 2007a           | Making Estimates of Crop Production and Its Value | 8                   |
| 2008a           | Record Keeping on the Farm                        | 8                   |
| 2035            | Balancing the Labor Supply and the Farm Business  | 8                   |
| 2036            | Simplifying Farm Work                             | 16                  |
| 2037            | Setting Up Farm Records to Provide for Analysis   | 8                   |
| 4004a           | Testing Soils for Potassium                       | 12                  |
| 4008a           | Recommending Potassium Fertilizers                | 8                   |
| 4045            | Handling and Using Agricultural Chemicals Safely  | 12                  |
| 4046            | Growing and Selling Christmas Trees               | 12                  |

A single copy of each was also included in each shipment of the December Agricultural Releases. Those wishing to order additional copies of any of these units may use the tear sheet accompanying this issue of the AIDS.

The two remaining units of the 1963-64 series are:

|       |  |    |
|-------|--|----|
| 3003a | Electrical Wiring--Fundamentals and Planning | 24 |
| 3016  | Electrical Wiring--Procedures and Exercises  | 32 |

These units are now being made ready for shipment, first to schools that are using an electrical wiring loan box. They should be received shortly after this issue of the AIDS arrives. Shipment of advance orders to other schools will follow shortly.

JWM





Grading sheet for record book. All quantity orders for the grading sheet for student's record book developed by Robert E. Brown, vocational agriculture instructor at DeKalb, were sent out about November 15. We have about 15 bundles of 25 grading sheets left over, in case you wish to order at this time. They are available at 15 cents per bundle, and are listed on the tear sheet.

JWM

Entering the College of Agriculture Fact Sheet No. 2. This is the second in a series provided by Dean Karl E. Gardner's office, and is being sent with this issue of the AIDS to Illinois teachers of vocational agriculture.

JWM

Bulletins and circulars. Two new publications have been received since the last issue of the AIDS. They are: Illinois Circular 875, Foreign Trade Facts for Illinois Citizens and Illinois Bulletin 696, Uses of Grain Futures Markets in the Farm Business. A copy of each publication has been included in December Agricultural Releases. For out-of-state readers, these publications are priced as follows: Cir. 875, 3¢ each; Bul. 696, 35¢ each.

JWM

Sheep Day and sale. Dr. U. S. Garrigus of the sheep division has sent us the following announcements:

The annual Sheep Day will be held at the University on Friday, December 13. The program will include timely information concerning production of lamb and wool and will provide an opportunity for visitors to see some of the research in progress and to hear reports of recently completed research.

The bred ewe sale of the Illinois Purebred Sheep Breeders' Association scheduled for Saturday, December 14, has been cancelled due to insufficient entries. Problems associated with eradication programs for scabies and for scrapie have temporarily interfered with the free movement and exchange of sheep.

USG-WHW

Soil samples of known soil test value. A series of six standard soil samples of known pH, P<sub>1</sub>, P<sub>2</sub>, and K soil test results are being made available to vocational agriculture departments by the Field and Furrow Club at the University of Illinois. Each sample is a pint in size and has been tested by the University Soil Testing Laboratory. These samples have been carefully selected to give a wide range of soil test values (for example, a low P<sub>1</sub> and a high P<sub>2</sub>). First orders will be accumulated until January 1, 1964, and shipment will be made as soon as possible after this date. Later orders will be filled as they arrive.

Each sample will sell for \$3.00, or \$15.00 for the complete set of six, f. o. b., Urbana. Charges can be placed against your open account. This item is included on the tear



sheet for the convenience of those who may wish to order.

Those who do not want the complete set of six samples may wish to wait until next month, when we will be able to announce the soil test values for each individual sample.

RLC

Certified alfalfa--Quality from seed to feed. We are told that the College still has a reasonable number of copies of this leaflet that can be distributed without charge as long as the supply permits. We suggest that you place your orders through Vocational Agriculture Service in case you need additional copies. A single copy is being sent in the December Agricultural Releases.

RLC

Crop varieties recommended for Illinois. Through the thoughtfulness of Dr. W. O. Scott, we are sending in the December Agricultural Releases a wall chart showing the crop varieties recommended for Illinois in 1964. This chart lists the varieties of small grains, legumes, and grasses that are currently recommended for the northern, central, and southern sections of Illinois. Additional copies are not available, but you may write for a single copy if you do not receive Agricultural Releases.

RLC

Sample grain rings for judging. We have been accumulating orders for grain judging rings of corn, oats, soybeans, and wheat which were announced in the November AIDS. These rings are presently being made up. It appears that we will have an adequate supply of each judging ring, so we will be able to accept additional orders.

Each ring consists of four 8-ounce samples with an official placing and reasons. These samples are very carefully made up and are similar to those used in the state judging contest. Each ring sells for \$2.00, or \$7.50 for the complete set of four, f. o. b., Urbana. Charges can be placed against your open account. This item is included on the tear sheet for the convenience of those who may wish to order.

RLC

Analyzing the Farm Business and Key. We overlooked these items last month when we listed materials that were left over from the summer courses in farm management. We have about 200 copies of the analysis problem and about 100 copies of the key remaining. Check the tear sheet if you wish to order additional copies.

JHH

Extra-mural course, Farm Machinery. The sectional chairmen have received a letter describing Agr. Eng. E331, Function, Application, Adjustment, and Management of Farm Machinery. This course can be offered in any area of the state during the spring semester of 1964. The minimum enrollment required for a course is 15. The sectional chairmen have been asked to return a list of teachers who are interested by



December 15. If you are interested in enrolling in this course, be sure to contact your sectional chairman so that your name is included.

RFE

Farmstead Mechanization Workshop. The Farmstead Mechanization Workshop sponsored by the Department of Agricultural Engineering and the Illinois Farm Electrification Council will be held January 14, 15, 16, 1964, in one of the meeting rooms in the Assembly Hall, University of Illinois.

The subjects studied will be trends in agriculture: feed, labor, space and capital requirements; systems and layouts for beef, dairy and swine (discussions by an engineer, animal scientist, and an economist for each area); feed processing; manure handling; integrating drying and storage of grains; controls; servicing; selling the system and new engineering systems. Registration fee: \$10.00

RFE

#### NEW BOOKS

The following has been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

RESOURCE DEMAND AND STRUCTURE OF THE AGRICULTURAL INDUSTRY, 1963.  
Heady and Tweeten. Iowa State University Press, Ames, Iowa. \$8.50.

The following is taken from information sent with the copy of this book:

"A penetrating analysis of the problems facing commercial agriculture is contained in the new book. . . . .

" This book is the result of a research project recently completed after being initiated in 1955 to study the changes in the demands for resources in farming, and incorporates also the results of several other studies of the subject undertaken at the same time. The results, the authors feel, provide the basis for a broad understanding of the forces underlying the structure and organization of agriculture."





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Graduate Courses. Vo-tec 472, Course Planning and Teaching Procedures in Vocational Agriculture, will be taught on campus the second semester of 1963-64, 7:00-9:00 p. m., Mondays. Teachers within driving distance are invited to enroll.

Vo-tec 449, Independent Study, is available to teachers of vocational agriculture who have completed three units of work in education. If you are interested in enrolling in Vo-tec 449 the second semester of 1963-64, please get in touch with us soon. Enrollment in this course necessitates advance planning. A written plan must be submitted and approved prior to enrollment.

AHK

Advanced Certificate Program Planned. Billy Rich has joined many of his colleagues in completing plans for the Advanced Certificate degree. Teachers interested in this degree are encouraged to contact staff members of the Agricultural Education Division for assistance in planning and submitting their programs.

AHK

Teacher Placement Report. As of November 11, 1963, there were no vocational agriculture vacancies reported to the Office of Teacher Placement by Illinois high schools. Four students enrolled at the University of Illinois will graduate or complete curriculum requirements in January and be available for placement.

Several experienced teachers have begun the process of activating their credentials with the Office of Teacher Placement. Any eligible teacher who wishes to activate his credentials for the coming placement season should contact the Office of Teacher Placement. Dr. Paul Hemp is again handling the placement of agriculture teachers.

PEH





Alpha Tau Alpha Officers. The Alpha Chapter recently elected the following men to offices for the second semester:

|  |                 |             |
|--|-----------------|-------------|
| President                              | Russell Higgins | Mt. Carmel  |
| First vice president                   | Byron Gregg     | Shelbyville |
| Second vice president                  | Robert Fuhr     | Aledo       |
| Secretary                              | Eugene Rench    | Stonington  |
| Treasurer                              | Robert Daniel   | Belvidere   |
| Agricultural Council<br>representative | Frank Barbre    | Carmi       |

Vocational agriculture teachers who had these students in high school classes of vocational agriculture include Robert Irvin, Kenneth Diehl, E. E. Lutz, Evan Allen, D. J. Witt, and Ernest Johnson. These students and their former vocational agriculture teachers deserve our congratulations for assuming positions of leadership in the profession.

PEH

Agricultural Education Club Elects Officers. At its last meeting the Agricultural Education Club elected officers for the second semester of the 1963-64 school year. The new officers are:

|                                     |               |
|-------------------------------------|---------------|
| President                           | Frank Barbre  |
| Vice president                      | Roger Allamon |
| Secretary                           | John Huston   |
| Treasurer                           | Byron Gregg   |
| Reporter                            | John Peden    |
| Agricultural Council representative | Joe Hampton   |

These young men are to be congratulated on their election to leadership responsibility in one of their pre-professional organizations.

AHK



VOCATIONAL AGRICULTURE STUDENTS INTERESTED IN TEACHING

We are again interested in securing the names of young men whom you would recommend to us as prospective future teachers of agriculture. Please list the names and addresses of senior students you would recommend on the following form and send the list to the Division of Agricultural Education, 103 Gregory Hall, University of Illinois, Urbana.

AHK

Name of seniors

Addresses

|       |       |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Signed \_\_\_\_\_

Vo-Ag Teacher

Address \_\_\_\_\_





# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

New controls kit. This new kit is a device that can be used to challenge any of our students in vocational agriculture. It is geared to keep us up to date on the new trends in the electronic world, but it is still very practical in its application. The vocational teachers in the state of Illinois are certainly grateful to Dr. Matthews and his staff and to the Illinois Farm Electrification Council for making this teaching aid available for use in the departments of vocational agriculture.

Junior Swine Carcass Class Recommended for 1964 at Illinois State Fair. The following recommendations have been received as they were discussed by the Illinois State Fair Advisory Committee.

1. Show junior barrows with the open class in the on-foot portion of the carcass class.
2. Junior carcass show should not be restricted to animals eligible for the Land of Lincoln. However, only those eligible for Land of Lincoln would be judged on foot.
3. Tattoo junior barrows with a special or separate number series.
4. Make open class and junior placings on the carcasses.
5. Select champions in both junior and adult divisions.
6. Grand and reserve champions would be selected from the best in either or both shows.
7. In order to show on foot these entries will need to be eligible for Land of Lincoln and will show with the open-class hogs. Hogs not eligible for the Land of Lincoln can be entered for slaughter and their carcasses will be evaluated along with those previously shown on foot.

NOTE. Please remember that these are recommendations of the Illinois State Fair Junior Department Advisory Committee. The official information will be in the regular State Fair catalogues. The committee members thought many of the teachers would like to know about this carcass class before the catalogue is published.



100 percent membership IS OUR GOAL. The secretary has notified me that the following sections have paid 100 percent of their dues: 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 24. It is my understanding that 13 members have not paid their dues at the time of this printing, but probably most of them have mailed their dues to our secretary.

The National Executive Secretary of the NVATA, James Wall, has released the following states as being 100 percent on November 1: Nevada, Oregon, Wyoming, Arkansas (C), Nebraska, North Dakota, South Dakota, Alabama (W), Alabama (C), Florida (C), Georgia (W), Georgia (C), South Carolina (W), South Carolina (C), Delaware, Virginia (W), and Virginia (C).

Don W. Brock, President of Kansas Association, recently stated in the Kansas Newsletter: "We can't ask others to look upon us as professional people if we do not look upon ourselves as being in a profession."

H. R. 4955 standing as on November 1. The outlook for approval of H. R. 4955 is good. Both the House and Senate have passed the bill. Conferees have been appointed from both groups and they will be meeting the first week in November in an attempt to agree upon the House Senate versions. The revised bill will then need House approval before going to the President.

If the bill is enacted into law, the next step will be to secure appropriations to implement the Act.

This information was received in the NEWS AND VIEWS OF NVATA.

Need your help. Most of you will remember being asked for your name and the number of years of faithful service which you have given to vocational agriculture, in the last issue of the newsletter. Please send to me your name if you will be eligible to receive a 10-, 20-, 25-, 30-, or 35-year award this year. I have only received two names at the time of printing this newsletter.

District IV Director--Melvin J. Nicol. Mel was born at Pontiac, Illinois, March 4, 1909. He graduated from Pontiac Township High School in 1927 and for two years taught a rural school. In 1933 he graduated from Illinois State Normal University. He also hold a M. S. degree from Iowa State University and has taken additional work at the University of Iowa, University of Illinois, and Wisconsin State College at River Falls, Wisconsin.

He is presently in his twenty-sixth year at Maroa-Forsyth High School. Previously he had taught at Weldon High School and Tri-City High School.

Mel is an Honorary State and American Farmer. He has served previously as a director of the IAVAT. He is a charter member of the Maroa Lions Club, a member of the Methodist Church Commission, teaches a class in the Maroa Methodist Church school, is a life member of the high school PTA, served two years as president of the local teachers' association, and one year as treasurer of the county association. He is a member of the Macon County Farm Bureau and a recipient of the Illinois Agricultural Association 25-year service award. He has served as secretary of the Macon County Fair Board.





He is married to the former Zona Zae Smith who taught at Geneseo before their marriage. They have one son, Sheldon Spencer, who is a senior at Illinois Wesleyan University and a pre-med major.

For several years Mel has been graduating his second generation of students at Maroa. Three members of the board of education are former vocational agriculture students. He has also served one year as acting unit district superintendent.

Illinois State Normal University is currently working with Mel in training teachers of vocational agriculture by using the department as a student teacher training center.

Gardening and sports are listed as his favorite hobbies. He also enjoys fishing--when he can find the time. His greatest thrill comes from seeing former students performing in positions of leadership in the community. He has five American Farmers and one State Star Farmer at Maroa. He believes that farming and related occupations offer a great future for young men with a farm background.

Paul Helms passes. Just as this material was being prepared, word was received of the sudden death of Paul Helms, teacher of vocational agriculture at Hillisboro for the past 11 years. He passed away on Saturday, November 16, 1963, of an apparent heart attack. Funeral services were held at Hillisboro on Monday, November 18, with burial at Herrin on November 19. Our sincere sympathy goes to the members of his family.

#### THOUGHTS FOR LEADERSHIP--

##### A Baker's Dozen

The difference between a follower and a leader is that a leader does some of these things:

1. He improves over his predecessor.
2. He does not wait to be told to do things. He sees what needs to be done and follows through.
3. He comes up with new ideas to fill new needs which are always developing.
4. He attempts to make a contribution of something over and above the call of duty.
5. He is adept at analyzing people and situations.
6. He sees situations and problems from the viewpoint of the other person, as well as his own, and responds accordingly.
7. He is considerate of, and helpful to, those of lesser experience.
8. He has time for meeting and talking with strangers and new people.
9. His main concern is what is best for the majority of the total group.
10. He is subject to inspiration from those under him as well as those above him.
11. He is always receptive to new ideas and considers them along with old and established ideas.
12. He sees a total situation and explores various means for dealing with it.
13. He is a servant to whatever cause he may support.

Submitted by Wenroy Smith, NVATA President



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To Vocational Agriculture Service  
 434 Mumford Hall  
 Urbana, Illinois 61803

Please send the following items:

| <u>No. of<br/>copies</u> | <u>Price<br/>each*</u> | <u>Total<br/>amount</u> | <u>Item</u>  |
|--------------------------|------------------------|-------------------------|--|
| _____                    | 8¢(6¢) <sup>1/</sup>   | _____                   | VAS 1001a Caring for the Sheep Breeding Flock, 8 p.                  |
| _____                    | 8¢(6¢)                 | _____                   | VAS 1002a Artificial Insemination of Livestock, 8 p.                 |
| _____                    | 4¢(3¢)                 | _____                   | VAS 1035 Cattle Grubs, 4 p.  |
| _____                    | 12¢(9¢)                | _____                   | VAS 1036 Swine Feeds and Feeding, 12 p.                              |
| _____                    | 12¢(9¢)                | _____                   | VAS 2006a Choosing the Specific Crops to Grow, 12 p.                 |
| _____                    | 8¢(6¢)                 | _____                   | VAS 2007a Making Estimates of Crop Production<br>and Its Value, 8 p. |
| _____                    | 8¢(6¢)                 | _____                   | VAS 2008a Record Keeping on the Farm, 8 p.                           |
| _____                    | 8¢(6¢)                 | _____                   | VAS 2035 Balancing the Labor Supply and the<br>Farm Business, 8 p.   |
| _____                    | 16¢(12¢)               | _____                   | VAS 2036 Simplifying Farm Work, 16 p.                                |
| _____                    | 8¢(6¢)                 | _____                   | VAS 2037 Setting Up Farm Records to Provide<br>for Analysis, 8 p.    |
| _____                    | 12¢(9¢)                | _____                   | VAS 4004a Testing Soils for Potassium, 12 p.                         |
| _____                    | 8¢(6¢)                 | _____                   | VAS 4008a Recommending Potassium Fertilizers, 8 p.                   |
| _____                    | 12¢(9¢)                | _____                   | VAS 4045 Handling and Using Agricultural<br>Chemicals Safely, 12 p.  |
| _____                    | 12¢(9¢)                | _____                   | VAS 4026 Growing and Selling Christmas Trees, 12p                    |

1/ Price per copy in parantheses applies if total order is for more than 1,000 pages.  
 Otherwise, price is 1¢ per page.

|       |         |       |   |
|-------|---------|-------|---|
| _____ | 8¢      | _____ | Analyzing the Farm Business                   |
| _____ | 3¢      | _____ | Key to Analyzing the Farm Business            |
| _____ | \$15.00 | _____ | Complete set of six standardized soil samples |
| _____ | 2.00    | _____ | Ring of corn judging samples (4 samples)      |
| _____ | 2.00    | _____ | Ring of oats judging samples (4 samples)      |
| _____ | 2.00    | _____ | Ring of soybean judging samples (4 samples)   |
| _____ | 2.00    | _____ | Ring of wheat judging samples (4 samples)     |
| _____ | 7.50    | _____ | Complete set of 4 rings above                 |
| _____ | 15¢     | _____ | Bundle of 25 grading sheets for Record Book   |

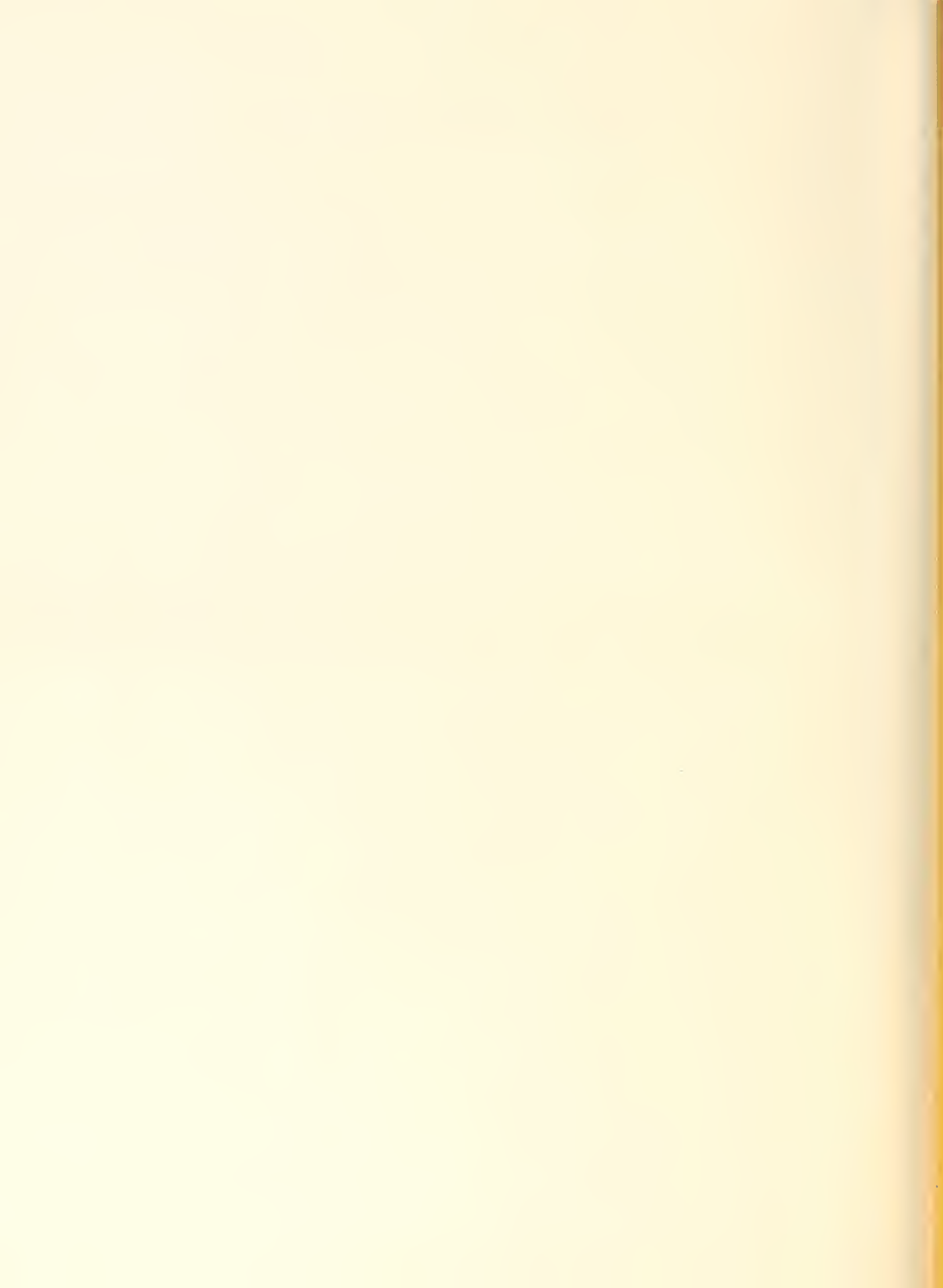
\* All prices are f. o. b. , Urbana

Name \_\_\_\_\_ School \_\_\_\_\_



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PRICE LIST OF FEEDS<sup>1/</sup>  
November 21, 1963

The feed prices for many of the feedstuffs used in vocation agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| <u>Kind of feed</u>                              | <u>Cost per bu., cwt.,<br/>or tons in dollars</u> |
|--|---|
| Corn, shelled, bu. . . . .                       | 1.06  |
| Corn, ground shelled, bu. . . . .                | 1.16  |
| Corn, ground ear, bu. . . . .                    | 1.16  |
| Oats, bu. . . . .                                | .62   |
| Oats, ground, bu. . . . .                        | .72   |
| Barley, feed, bu. . . . .                        | 1.03  |
| Barley, ground or rolled, bu. . . . .            | 1.13  |
| Sorghum, grain, cwt. . . . .                     | 1.90  |
| Sorghum, grain, cracked, cwt. . . . .            | 2.00  |
| Skim and buttermilk, cwt. . . . .                | 1.50  |
| Whole milk, grade B, cwt. . . . .                | 3.00  |
| Corn silage, ton . . . . .                       | 12.00   |
| Sorghum silage, ton . . . . .                    | 11.00   |
| Grass silage, ton . . . . .                      |   |
| No preservative added . . . . .                  | 8.00  |
| Preserved with 70-100 lb. molasses . . . . .     | 11.00   |
| Preserved with 150-200 lb. ground corn . . . . . | 13.00   |
| Clover and mixed hay (Price are for . . . . .)   | 26.00   |
| Soybean hay (baled hay . . . . .)                | 20.00   |
| Alfalfa (Loose hay will be . . . . .)            | 26.00   |
| Timothy hay (\$5.00 less per . . . . .)          | 20.00   |
| Oat straw (ton . . . . .)                        | 18.00   |

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<sup>1/</sup> Prepared by W. W. Albert, Department of Animal Science, University of Illinois, Urbana, Illinois

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# VO-AG AIDS

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University of Illinois

in Cooperation with

Illinois State Board of Vocational Education

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# VO-AG SERVICE

## Announcements & Notes

Slidefilm on corn production. Our attention has been called to a single-frame slidefilm in color entitled "Five Tested Steps to Maximum Profit Corn." This 54-frame slidefilm was produced by the Spencer Chemical Company. Teachers may obtain a copy without charge by writing to Mr. R. L. Balsler, Spencer Chemical Company, Dwight Building, Kansas City, Missouri

JWM

Extramural courses in agriculture. The following extramural courses in agriculture will be offered for the second semester, 1963-64, and may be taken for graduate credit by teachers of agriculture and others interested.

Agricultural Economics E302--Financing Agriculture

Location: Effingham High School

Instructor: Professor John M. Holcomb

First meeting: Monday, February 3, 7:00 p. m., Room 115

Credit: Graduate, 1/2 unit, \$22.00

Undergraduate, 3 sem. hours., \$30.00

Agricultural Economics E324--Farm Operation

Location: Moline Senior High School

Instructor: Associate Professor John H. Herbst

First meeting: Thursday, February 6, 6:30 p. m., Room B127

Credit: Graduate, 1/2 unit, \$22.00

Undergraduate, 3 sem. hours, \$30.00

Animal Science E301--Beef Production

Location: Henry High School

Instructor: Assistant Professor W. W. Albert

First meeting: Wednesday, February 5, 7:00 p. m., Room 4

Credit: Graduate, 3/4 unit, \$30.00

Undergraduate, 3 sem. hours, \$30.00

Agricultural Engineering E381--Farm Electrical Equipment

Location: Salem High School

Instructor: Associate Professor Elwood E. Olver

First meeting: Wednesday, February 5, 7:00 p. m., Vo-Ag Building

Credit: Graduate 1/2 unit, \$22.00

Undergraduate, 3 sem. hours, \$30.00

JWM



Hormel Scoring System. The state judging contests will be scored this year by the Hormel Scoring System. This is the system developed by the Geo. A. Hormel & Co., Austin, Minnesota, and voted in by the teachers at the June conference last year.

While it would not be necessary for sections to change the scoring system of their contest, we will offer to give assistance to any that might wish to change. This assistance could be given at the time of the contest or at a sectional meeting of the teachers before the contest. Due to the number of details that must be taken care of on the morning of a contest, a sectional meeting ahead of the contest seems to be the most opportune time. Please let us know if you want someone to discuss this with you and give you some practice in using it.

The Illinois Scoring System cards are still available from Vocational Agriculture Service at 15 cents per set. Order the Hormel System direct from the Hormel Company. The price is \$2.00 per set.

WHW

Soil samples of known soil test values. A series of six standard soil samples of known pH, P<sub>1</sub>, P<sub>2</sub>, and K are available for use in checking soil test results. Each sample is a pint in size and has been tested by the University Soil Testing Laboratory. These samples have a wide range of soil test values which are as follows: pH 4.5-7.0, P<sub>1</sub> 5-25, P<sub>2</sub> 5-130, and K 80-300. Individual samples may be requested in these test ranges. These samples should retain the same test values if kept in tightly closed jars.

Each sample will sell for \$3.00, or \$15.00 for the complete set of six, F. O. B., Urbana. The Department of Agronomy suggests that if you purchase all six samples you will have soil samples that represent the wide range of soil test values that occur in our soil thereby insuring proper and complete calibration. Charges can be placed against your open account. This item is included on the tear sheet for the convenience of those who may wish to order.

RLC

Approved practices. Copies of new or revised approved practices for alfalfa, corn, oats, soybeans, wheat, and swine are included in the January Agricultural Releases. Additional copies of these releases are available from our office. They are listed on the tear sheet in the back of this issue of the AIDS.

JWM

Economics for Agriculture. The following item has been received from Dr. Harvey Schweitzer in rural sociology extension:

"The Department of Agricultural Economics at the University of Illinois initiated a reference series for agricultural leaders in 1959 titled Economics of Agriculture. Since that time over 100 articles have been issued in capital and credit, farm management, marketing, policy and public programs, prices and outlook, rural life and tenure and appraisal. The Department is currently evaluating this service and you will be receiving a brief questionnaire asking for your opinions. Your cooperation in completing and returning this inquiry will be appreciated."

JHH



Summer school courses in agriculture. The following information was sent to us by Dean C. D. Smith.

The College of Agriculture will offer six courses on a four-week basis during the summer session 1964. Registration will be held on June 15 with the first four-week courses running from June 16 to July 11.

Full-time students may register for a maximum of 1-1/4 units in four weeks.

| <u>Course and title</u> |  | <u>Credit</u>        | <u>Instructor</u> |
|-------------------------|--|----------------------|-------------------|
| Agr. Econ. 302          | Financing Agriculture                                  | 3 hours, or 1/2 unit | Baker             |
| Rural Soc. 477          | Rural Community Organization and Development           | 1 unit               | Lindstrom         |
| Agr. Eng. 242           | Gasoline, Liquified Petroleum Gas, and Diesel Tractors | 3 hours*             | Yoerger           |
| Agr. Eng. 361           | Development and Funtion of Family Housing              | 3 hours, or 1/2 unit | Hansen            |
| Agron. 301              | Soil Survey, with emphasis on Illinois Soils           | 3 hours, or 1/2 unit | Odell             |
| An. Sci. 303            | Pork Production  | 3 hours, or 3/4 unit | Harmon            |

\*This course can be taken for 1/2 unit graduate credit if recommended by instructor and advisor, and approved by the Graduate College at time of registration.

JWM

Income Tax Illustration Based on 1962 Farm Record Problem This item is listed on the tear sheet. We have about 350 copies remaining, and will sell them on a first-come, first-served basis. The item was handed out as a single copy at the summer courses in farm management.

JHH

Form, Income Possibilities on Your Farm. We were temporarily out of the form, but have rerun it and can supply any quantities desired; it is included on the tear sheet. This item was previously listed in connection with the farm management courses.

JHH

The Use of the Income Possibilities Form. This item, which shows filled-in copies of the form, has been rerun. Refer to the tear sheet for the price. This item was used in last summer's farm management courses.

JHH





Standards for Measures of Efficiency for 1963 is being included with the January Agr. Releases. Additional copies are available, as shown on the tear sheet. We make this item available each year in order to furnish a comparison for students' record results; it should also be helpful in adult classes on farm records.

JHH

Fitting and Showing Calves is the title of a leaflet received from Jerry Sotola, Public Relations, Chicago Livestock Exchange. A copy is included in the January Agr. Releases. We have a number of copies remaining which are available without charge if you did not receive a copy, or wish to order quantities. If our supply runs out, you can probably obtain copies directly from Mr. Sotola.

JWM

Bulletins and circulars. One new bulletin, No 697, Farm Real Estate Sales in Illinois, was released this month. A copy was included in the January Agr. Releases. For out-of-state readers, this publication is priced at 20 cents

JWM

Illinois Custom Spray School. The 16th Annual Illinois Custom Spray School will be held January 22-23 in the Illini Room, Illini Union, Urbana. Some of the topics include: cereal leaf beetle, western corn rootworm, soil residue problems with herbicides, was it corn-stalk rot or rootworms?, and pesticide safety.

All persons interested in agricultural chemicals are invited to attend. As in the past, copies of the summaries of presentations will be included in the March issue of Agricultural Releases.

RLC





# AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Registration information. Registration for the second semester is scheduled for Wednesday, January 29, through Saturday, February 1. The Saturday, February 1, registration schedule will be from 8:00 a. m. to 3:00 p. m. for the benefit of commuting teachers.

Just as a reminder. 1) VOTEC 472, Course Planning and Teaching Procedures in Vocational Agriculture, will be offered on campus on Monday evenings from 7:00 to 9:00 p. m. and 2) teachers interested in enrolling in VOTEC 449, Independent Study, should get in touch with us within the next few days.

AHK

Staff members attend AVA Convention. All full-time staff members, Gerald Fuller; Paul Hemp; Alfred Krebs; Lloyd Phipps; and Robert Warmbrod, attended the American Vocational Association Convention in December.

Dr. Lloyd Phipps appeared as a speaker on the program speaking on the "Need for Post-High School Education in Agriculture."

AHK

Placement situation. As of December 16, 1963, there were four vacancies in vocational agriculture reported to the Office of Educational Placement, University of Illinois. Three of these positions begin at the close of the fall semester. Three men will qualify for vocational agriculture teaching at the University of Illinois at the end of the current semester.

PEH

An open mind is essential. Recent discussions with agricultural educators from some of the states with economies dependent largely on "production" agriculture revealed that there is little feeling of concern regarding the kinds of changes in agricultural education made possible by the new national vocational legislation. It would appear that the affairs of men must reach a "crisis" condition before there is developed a willingness to consider change. There is even an unwillingness to study existing conditions to see if change is needed. Why make a study to reach an "already known" conclusion? It is this "closed-mind" kind of thinking that leads to crisis and the need for making changes with little time for preparation for change. The least that we, as leaders in agricultural education, can do is to keep an open mind and ~~make~~ continuing studies of the need for agricultural education



in our communities. These studies should encompass the agricultural education needs of all members of the community, not just persons engaged in production agriculture. The needs, and the program required to meet these needs, must be clearly shown and supported by local studies before we can hope to secure enough manpower to carry out the program.

AHK

Vocational agriculture students interested in teaching. We appreciate the response to the request for names of young men whom you would recommend to use as prospective future teachers of agriculture. The form is repeated in this issue of the AIDS for teachers who might have missed the earlier request. Please list the names and addresses of senior students you wish to recommend, and send it to the Division of Agricultural Education, 103 Gregory Hall, University of Illinois, Urbana.

AHK

Names of Seniors

Addresses

| <u>Names of Seniors</u> | <u>Addresses</u> |
|-------------------------|------------------|
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |
| _____                   | _____            |

Signed \_\_\_\_\_

Vocational Agriculture Teacher

Address \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_





# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

Keith McGuire responds to "Can Vo-Ag Survive Its Critics?" Keith prepared the following letter in response to the article that appeared in a recent issue of the Farm Journal. It is included in the newsletter as "food for thought" for all agriculture teachers. It would be interesting for you to conduct a similar survey of former students. In this way accurate data can be presented when and if your program is challenged on a local level.

"Polo is a rural community with a town population of 2500. Accurate records show that from 1950-58, 32 boys who graduated from those high school classes went to college and graduated. From the same classes 34 boys are now established in farming, and five others are working in agri-business jobs. The farm boys had vo-ag in high school and most of them terminated their academic education in high school.

"Our school accepts the responsibility for at least part of the school group who do not go on to higher education.

"During this same period, not a single boy became a professional athlete or musician; nor did too many expect such. Why should the local ag department turn out all professionals?

"Because educators and those responsible for education programs are finally waking up to the fact that vocational education must be greatly expanded is no reason to 'pick' on a field that has been eminently successful. What group in our national life has such backing from industry as the Future Farmers of America organization?

"Vo-ag classes feed students to the ag colleges. Ag college trained men are woefully in short supply. In Illinois we have only two or three trained men to look after the crop diseases that could destroy our field crops. We need more, but where are they?

"Modern welding and motor mechanics have replaced the harness oiling and field seed corn selection of earlier days. Agriculture could be taught as a pure science. A student in vo-ag is investing his time wisely, whether he gets to farm or not.

"More rural communities need vo-ag, not less. The American people seem to find the money to buy what they want, and I believe they want vo-ag."





Have You Read? Kenny McMillan's article in the last issue of Illinois Vocational Progress on "What It Takes To Be A Farmer" is certainly worth your time.

Still need your help. There should be more than six or seven teachers of vocational agriculture in the state who are eligible to receive service awards this year. We desire to present these awards to those eligible and certainly do not wish to miss anyone. It is necessary that we have the names early enough to order the pins and the plaques have to be made up well in advance of the June conference. We would appreciate it if you would take just one minute and drop me a card with your name and the number of years you have taught vocational agriculture in Illinois.

Walter Bomeli and Robert Howey serve as your national officers Walter Bomeli of Bangor, Michigan, was elected president of the National Vocational Agriculture Teacher's Association at the general session of the NVATA in Atlantic City. Many of you will remember that Walter spoke to us at the June conference in 1963 when he was serving as Region IV vice president.

Floyd Johnson elected as vice president of AVA Floyd was elected vice president by the delegates at the AVA. He is a vocational agriculture teacher and we are honored to have him serve on the AVA executive board. He was also a member of the Panel of Consultants that was appointed by the late President Kennedy to review and evaluate the National Vocational Education Acts. He was president of NVATA in 1961.

J. E. Hill received life membership in NVATA. Mr. Hill was presented a certificate and card making him a life member in the NVATA. He has devoted his life to the promotion of vocational education and we in vocational agriculture are fortunate in having him promoting vocational agriculture. He has been and will continue to be our true friend. We are glad that Mr. Hill has been recognized with this national honor. He has served on committees that have formed the policies and procedures of vocational education on both the state and national level. This award was presented by Robert Howey during the AVA Convention in Atlantic City.

Agricultural Education Magazine. On December 1, 1963, there were 7,428 subscribers to the Agricultural Education Magazine. This figure will probably be about 8,000 before the end of the year. This means that approximately 3,000 vocational agriculture people do not subscribe to their own professional magazine.

Twenty-six states had 456 student subscriptions, too. This magazine helps to acquaint the student teachers with their professional magazine before they graduate from college.

Congratulations to Paul Chaney. One of his vo-ag students at Geneseo, Greg Beuseling, was declared state winner in the Weed Control Essay Contest sponsored by the North-Central Weed Control Conference. Greg received a \$25 cash prize and his essay is now entered for regional competition where the winner will receive a \$300 scholarship.

Section 16 uses new approach to grain show. Section 16 dropped its traditional grain show where they used a peck of grain, or ten ears of corn, based on quality, luster, uniformity, and other factors. This year they used a form comprised of five major areas: (1) fertility practices; (2) cultural practices; (3) erosion control practices; (4) harvesting practices; and (5) returns. The first three areas were checked on the farm by a committee of instructors in August and September. They rated these practices on the basis of A, B, or C. The last two areas were completed by the student before the show.



The same form will be used next year after being revised by a committee of three teachers. The only major change will be in the group visitation to the boy's field. This will be done by either the individual teacher or by a group of instructors, whichever the school prefers.

-- Reported by Gordon Bidner  
Sectional Public Relations Officer

The AVA Convention was held in Atlantic City from December 7-13. The National Vocational Agriculture Teacher's Association is an affiliated member of this organization. E. L. Rice, vice president, and your president attended the general sessions for both the AVA and the NVATA. It would be wonderful if every teacher of vocational agriculture could attend these sessions to see what your national organizations are doing for you.

One item of major interest to everyone during the convention was the action taken on HR 4955. Dr. Mobley kept the delegate body informed of the action taken on the bill throughout the convention. The committee had approved the bill and the House of Representatives passed it by approximately 5 to 1 before the convention was adjourned. I understand that it has passed the Senate.

The next step is to get appropriations for financing the bill once it is signed into law. This is not always as easy as it sounds because it took ten years to receive the full appropriations on one vocational bill. This new legislation will help in broadening the scope of vocational education.

Meet your District V Director, John Baker. He was born and reared on a grain and livestock farm in Saline County just east of Harrisburg. His high school training was at Equality High School. He was graduated as valedictorian of his high school class making him eligible for a scholarship to Southern Illinois University. While attending Southern Illinois University he joined the Marine Corps and during his junior year was sent to the V-12 training unit at Western Michigan College. After one semester he was transferred to Paris Island and later to Officers' Training School at Quantico. He served as a Marine Officer until the end of World War II.

He returned to the farm at the end of the war and after one year of farming he entered the University of Illinois where he completed his training as a vocational agriculture teacher. He received his Master's Degree from the University of Illinois. He has taught vocational agriculture for 15 years at Bridgeport and for one year served as a teacher of veterans at Carmi.

John and his wife, Elsie, have been married for 18 years. They have three children: Sam, a high school junior; Ann in the eighth grade; and Sue in the fourth grade.

He is interested in all kinds of sports--only as a spectator--except for a little golf.



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To Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois 61803

Please send the following items:

| <u>No. of<br/>copies</u> | <u>Price<br/>each*</u> | <u>Total<br/>amount</u> | <u>Item</u>  |
|--------------------------|------------------------|-------------------------|--|
| _____                    | 10¢                    | _____                   | Income Tax Illustration Based on 1962 Farm<br>Record Problem |
| _____                    | 3¢                     | _____                   | Form: Income Possibilities on Your Farm                      |
| _____                    | 4¢                     | _____                   | The Use of the Income Possibilities Form                     |
| _____                    | 5¢                     | _____                   | Standards for Measures of Efficiency for 1963                |
| _____                    | 4¢                     | _____                   | Approved Practices for Alfalfa 4 pages                       |
| _____                    | 4¢                     | _____                   | Approved Practices for Corn 4 pages                          |
| _____                    | 4¢                     | _____                   | Approved Practices for Oats 4 pages                          |
| _____                    | 4¢                     | _____                   | Approved Practices for Soybeans 4 pages                      |
| _____                    | 4¢                     | _____                   | Approved Practices for Wheat 4 pages                         |
| _____                    | 5¢                     | _____                   | Approved Practices for Swine 5 pages                         |

Soil Samples:

|       |         |       |  |
|-------|---------|-------|--|
| _____ | \$15.00 | _____ | Complete set of six standardized soil samples                              |
| _____ | \$ 3.00 | _____ | Individual standard soil samples<br>(Please suggest test value you desire) |

\*All prices are f. o. b. , Urbana

Name \_\_\_\_\_ School \_\_\_\_\_





## PRICE LIST OF FEEDS\*

December 19, 1963

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| <u>Kind of feed</u>   | <u>Cost per bu. , cwt.<br/>or tons in dollars</u> |
|---|---|
| Corn, shelled, bu. . . . .  | 1.08  |
| Corn, ground shelled, bu. . . . .                                       | 1.18  |
| Corn, ground ear, bu. . . . .   | 1.18  |
| Oats, bu. . . . .   | .62   |
| Oats, ground, bu. . . . .   | .72   |
| Barley, (feed) bu. . . . .  | 1.08  |
| Barley, ground or rolled, bu. . . . .                                   | 1.18  |
| Sorghum, grain, cwt. . . . .  | 1.92  |
| Sorghum, grain, cracked, cwt. . . . .                                   | 2.02  |
| Garbage and kitchen waste, ton . . . . .                                | 8.50  |
| Skim and buttermilk, cwt. . . . .                                       | 1.50  |
| Whole milk, Grade B, cwt. . . . .                                       | 3.00  |
| Corn silage, ton. . . . .   | 12.00   |
| Sorghum silage, ton . . . . .   | 11.00   |
| Grass silage, ton   |   |
| No preservative added . . . . .   | 8.00  |
| Preserved with 70-100 lb. molasses . . . . .                            | 11.00   |
| Preserved with 150-200 lb. ground corn . . . . .                        | 13.00   |
| Clover and mixed hay--baled (for unbaled, deduct \$5 per ton) . . . . . | 25.00   |
| Alfalfa--baled (for unbaled, deduct \$5 per ton) . . . . .              | 25.00   |
| Timothy hay . . . . .   | 20.00   |
| Corn stover, ton . . . . .  | 11.00   |
| Oat straw . . . . .   | 18.00   |

\* Prepared by W. W. Albert, Department of Animal Science, University of Illinois, Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

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# VO-AG AIDS

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FEBRUARY 1964

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and  
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University of Illinois  
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Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

Ag Student Guest Day, March 14, 1964. The College of Agriculture is holding its annual Ag Student Guest Day and Home Economics Hospitality Day on Saturday, March 14. Both programs will begin at 9:00 a. m. on the University of Illinois campus.

These campus visitation days are planned for all high school and junior high school students, their parents, teachers, and friends. The program will include admission requirements and procedures, information on programs of study, career opportunities, and student life.

Visitors will see the various agriculture and home economics buildings, laboratories, and classrooms. Financial aids including scholarships, part-time jobs, and loans will be explained.

CDS/JWM

Dairy calf sale. The following information was furnished through the courtesy of Professor J. G. Cash of the Department of Dairy Science.

The Illinois Purebred Dairy Cattle Association will sponsor their 16th annual calf sale to be held in the Stock Pavilion at the University of Illinois on Saturday, February 29. As you know, only bona fide 4-H and FFA members are eligible to purchase the calves offered at this sale.

I will send one copy of the catalog to each vocational agriculture instructor just as soon as they are off the press. This should be about February 15. Those desiring additional copies of the catalog can obtain them by writing me.

JGC/WHW

New bulletins and circulars. One new circular was released by the College of Agriculture this month. It is Circular 876, Selection of Farm Machinery. A single copy of this circular was included in February agricultural releases. This circular is priced at 10 cents per copy for out-of-state distribution in quantities.

JWM

Slidefilm 357, What Records Tell About This Farm. Prints of this slidefilm have been sent to all schools on the advance order list. Please let us know if you failed to receive your copy. This film, which was prepared for use with the farm management courses last summer, is in color, has 59 frames, and is available now for open sale for \$3.87



f. o. b. , Urbana. It is listed on the tear sheet for the convenience of those who wish to order.

JWM

Speakers on grain marketing for high school or adult classes. The Illinois Grain Dealers' Association has announced its willingness to cooperate with vocational agriculture teachers in providing resource persons for adult evening schools, or for discussion in high school classes. A representative of the association would be willing to talk on any subject related grain marketing, such as:

The Role of the Country Elevator in Marketing Grain  
Grading, Aerating, Drying, and Storage of Grain  
Use of the Grain Futures Market by Farmers  
Seasonal Behavior in Grain Marketing and in Grain Prices

The association will provide a speaker any where in Illinois where their services may be requested. Teachers interested in securing this service may contact: Mr. Donald E. Palmer, Executive Secretary, Illinois Grain Dealers' Association, Inc. , 410 Central National Bank Building, Peoria.

JWM

Windbreak price list. Through the courtesy of Professor W. F. Bulkley, Department of Forestry, we have received copies of the price list for ordering trees from the State Division of Forestry. The price lists are being sent only to Illinois teachers because the stock is usually available only to Illinois landowners.

RLC

Sample grain rings for judging. All Illinois orders for the grain judging rings have been sent and should have been received by this time. It appears that we will have an adequate supply of each judging ring, so we will be able to accept additional orders. Please refer to the December AIDS for additional information.

RLC

Extra copies of Feeder Cattle Guide available. The Department of Agricultural Economics has about 500 extra copies of the Feeder Cattle Guide for 1963-64. If you would like quantity copies for class use, please send your requests to Vocational Agriculture Service. Please limit your requests to the number represented by your largest class. These will be supplied on a first-come, first-served basis, with postage charges placed on your open accounts. Use the tear sheet for ordering.

JHH

Analyzing the Farm Business and Key. We were temporarily out of the analysis problem and key but now have rerun these two items. These were used in the 1963 intensive courses in farm management. We also have supplies of the analysis charts. These items are listed on the tear sheet for your convenience in ordering.

JHH

Sales tax. Most of you are no doubt familiar with a change in the Illinois law that has been in effect for more than a year. Educational institutions are now required to report sales tax on any items sold to the public. We in Vocational Agriculture Service are exempt from





charging and reporting sales tax so long as our materials are sold to high schools. We assume that when you order materials that they are to be used for educational purposes, and are not resold.

If, for example, you order Illinois Farm Account books from us, we are not required to charge you sales tax. If you sell a book to a farmer or other individual for his personal use not in connection with an organized educational program, your school is required by law to report and pay sales tax to the state on this transaction. Our only interest in belaboring this point is to help keep our friends out of trouble.

JWM

Basic guide to ferrous metallurgy. This item which is inserted in copies of the AIDS going to Illinois teachers, was furnished through the courtesy of the Tempil Corporation, 132 West 22nd Street, New York City. You may find it useful as an aid in teaching important heat treating and welding principles.

RFE

Status of Rapid Rater orders. We have had some inquiries about the Rapid Raters and materials to use with them that were ordered last fall. We owe you a report on the situation.

Rapid Raters have been ordered since October. Promises of delivery dates have been made and broken. The latest delivery date, by telegram, is February 3.

Materials to use with the Rapid Raters are ready. We hope to ship both to you shortly after February 3.

JWM





## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Placement reports. Three vacancies in vocational agriculture presently exist in Illinois. Two students who qualified at the University of Illinois in January 1964 have been placed. Carroll Turner will be teaching vocational agriculture at Hillsboro High School and Donald Murray has been employed to teach at Woodlawn High School.

PEH

Follow-up study. A follow-up study of the June graduates for 1963 in New York State who had completed vocational courses in agriculture was just completed by Harold L. Noakes, Bureau of Agricultural Education, State Education Department, Albany, New York.

The study was based on the status of the students as of October 1, 1963. The most interesting item of information revealed by this study was "the low percentage of students who majored in agricultural education who are in the ranks of the unemployed. This percentage of 1.4 is far below the national unemployment average for boys in the same age bracket."

AHK

Regional workshop for cooperating teachers. There will be a regional workshop for cooperating teachers in agricultural education at Michigan State University, June 22-July 10, 1964. Cooperating teachers should consider participating in this workshop as a part of their professional improvement program.

AHK

University of Illinois graduate assistantships in agricultural education. The University of Illinois Agricultural Education Division will have available three or four graduate assistantships for 1964-65. These assistantships are available for persons who wish to pursue the Master of Education degree with a major in agricultural education or a doctor's degree with a major in agricultural education.

Duties will include assisting with research projects.

Graduate assistants with a quarter-time appointment may enroll for a full load of course work. Graduate assistants with a half-time appointment may enroll for three-fourths of a full load of course work. A person with a half-time graduate assistantship may complete a full academic year of work in two semesters, plus the preceding or following eight-week summer session.



A nine-month graduate assistant receives free tuition and fees for both semesters, plus the following summer session. This amounts to \$775.00 for out-of-state students. They also receive the following in salary:

Master's degree or advanced certificate candidate

|          |            |
|----------|------------|
| 1/4 time | \$1,050.00 |
| 1/2 time | \$2,100.00 |

Doctoral candidate

|          |            |
|----------|------------|
| 1/4 time | \$1,125.00 |
| 1/2 time | \$2,250.00 |

Applicants should have a bachelor's degree and be qualified to teach vocational agriculture. Interested persons should obtain application forms and further application information from Lloyd J. Phipps, University of Illinois Agricultural Education Division, 103 Gregory Hall, Urbana, Illinois

AHK

Vocational Education Act of 1963. All vocational educators should be alert to the changes that need to be made in their programs to adjust to the new national vocational education legislation. In agricultural education the changes will be the most significant since the passage of the Smith-Hughes Act.

Although the purposes of the new act include maintenance of present programs, the emphasis is on extension and improvement of existing programs, and development of new programs. This means that all teachers of agriculture will need to re-evaluate present programs in terms of a new look at the agricultural industries of their communities. A re-orientation will be needed for some phases of the total programs, along with detailed planning for new areas of instruction

In addition to the regular high-school program, teachers of agriculture must now consider the possibilities for developing special vocational education programs for persons who have academic, socio-economic, or other handicaps that prevent them from succeeding in the regular vocational education programs. The relationships of high-school programs to the newly developing post-high school vocational education institutions must also be fully analyzed.

The professional improvement activities of teachers of agriculture in the next few months will help to determine the extent to which they will be able to adjust to and share in these new developments. Meetings, workshops, and summer school sessions will provide opportunities to exchange ideas with others and keep abreast of the latest developments. We need to start planning now to take advantage of as many of these opportunities for professional work as time will permit.

Some exciting and challenging years lie ahead for the alert vocational educator. If we are a part of new developments we can contribute more than we can if we only stand on the sidelines.

AHK



Agricultural education summer session courses The following agricultural education courses will be offered the first four weeks of the summer session at the University of Illinois, June 15--July 10. All of these courses will consider the implications of the Vocational Education Act of 1963 for their respective area of content. Enrollment in one of these courses will give a teacher an opportunity to replan his program, in the content area of the course, to implement the provisions of the new act. Make your plans for summer school now.

| <u>Course</u>  | <u>Credit</u> | <u>Time</u> | <u>Instructor</u> |
|--|---------------|-------------|-------------------|
| VOTEC 471, Policy and Program Planning   | 1/2 unit      | 8-10 TWTF   | Warmbrod          |
| VOTEC 473, Adult Education in Agriculture  | 1/2 unit      | 10-12 TWTF  | Hemp              |
| VOTEC 476, Guidance in Agricultural<br>Education   | 1/2 unit      | 1-3 TWTF    | Krebs             |
| VOTEC 456, Problems and Trends in<br>Agricultural Education<br>(Enrollment limited to advanced certificate<br>and doctoral students) | 1 unit        | 3-5 TWTF    | Staff             |
| SE ED 448, Continuing Education<br>(Limited to teachers who have had<br>VOTEC 471, 473, and 476)                                     | 1/2 unit      | 1-3 TWTF    | Phipps            |
|  |               |             | LJP               |







# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

Committee meets regarding implementation of Vocational Education Act of 1963. On Friday, January 17, 1964, the special Agricultural Advisory Committee met in Springfield to discuss the implementation of the Vocational Education Act of 1963. The committee members were: H. P. Erwin, Farm Manager of First National Bank, Mattoon; L. R. "Bill" Frye, Principal, Cisne High School; Robert Howey, Vo-Ag Instructor, Sycamore High School; Russell Lamoreux, IAA Director, Lanark; A. V. Meadors, Grundy County Superintendent of Schools, Morris; L. J. Phipps, Professor and Chairman of Agricultural Education, University of Illinois; William Martinie, Vo-Ag Instructor, Minonk; and R. A. Guthrie, Chief, Agricultural Education, Springfield.

Mr. J. E. Hill was present to discuss with the group his interpretation of the bill.

The committee was to serve in an advisory capacity only concerning the desired changes in vocational education as a result of this new bill. Each service of the Vocational Education Division has established a similar committee. A member of the advisory group was selected to meet with an overall advisory committee to make plans for recommendations to the Board of Vocational Education and Rehabilitation for the implementation of the Vocational Education Act of 1963.

Years of service in a worth-while organization. Will you please check this information to see that it is correct? These data were taken from the Annual Information Report sent to the state office for the 1963-64 school year. These data will also be used for our program for the June Conference, so if you find any errors let me know at your earliest convenience.

## 10 Years

George F. Brock, Brussels  
Paul Chaney, Geneseo  
J. Clark Esarey, Tolono  
James Elliott, Wayne City  
Victor Funk, Franklin  
Ralph Goodman, Milford  
Lawrence Gregory, Deland

Harold Hall, Farina  
Clark Heuer, Toluca  
Lester B. Hilden, Winnebago  
William Holak, Lena  
John Hughes, Illiopolis  
Steve Pollock, Albion  
Harold Vale, Durand  
Glenn Wiley, Wenona (9-1/2)



20 Years

J. W. Berger, Charleston  
E. L. Bosomworth, Bethany  
Donald Boyer, Casey  
Sherwood Jackson, Seneca  
Russell Inman, Ullin  
O. C. Floyd, State Supervisor

Delmer Launius, St. Jacob  
William G. Marshall, St. Charles  
Fred Morris, Mendota  
E. L. Rice, Princeville (19-1/2)  
W. T. Spittler, Marshall  
Stanley Walker, Media

25 Years

James Bond, Galatia  
G. R. Brown, Lostant (24-1/2)  
Bernard L. Finley, Benton  
William Lubben, Gilman

Joseph McGann, Danvers  
A. W. Schmidt, Hebron  
Chester Seibert, Edwardsville  
Frank Young, Washington

30 Years

Phillip E. Gill, Carlyle  
Roy Hefty, Orangeville

Melvin J. Nicol, Maroa  
Clifton E. Wick, Pearl City

35 Years

M. G. Roberts, Genoa

40 Years

Keith Wehner, Rochelle

If my mathematics is correct, this represents 785 years of accumulated service that these men have devoted to the youth of America. You can see why it is worth while. These men can see and realize that America can and will be great as long as our young men are properly trained and guided toward a better tomorrow.

Picture of Vo-Ag student selected as picture of the year. Gary Vortman and a picture of his 45 head of lambs that he shipped to Producers was selected as the winner of this award. The picture was made last summer during the Vocational Agriculture Cattle-Sheep Marketing Day at the National Stock Yards. His vocational agriculture teacher is Bernard G. Goetze. Gary attends Bluffs Community High School at Bluffs.

Reminders. Please let me know if you can qualify as a member of the "30-Minute Club."

Hope you are thinking about your ideas to use for the "Exchange Ideas Contest."

All of the committee reports are to be mailed to E. L. Rice, Princeville, or on before April 1.

Hope you are planning to attend. The Illinois Vocational Association meeting will be held in St. Louis, Missouri, on February 27-29. The headquarters for the convention will be the Chase Park-Plaza Hotel.

Your vice-president, E. L. Rice, has arranged a very worth-while program for the agricultural division meeting to be held on Friday, February 28. The program as outlined is listed on the next page.



- 9:30-10:00 Coffee and doughnuts, courtesy of Cargill, Inc.
- 10:00-10:30 Announcements by State Office, Vocational Agriculture Service and Agricultural Education Department, U. of I.; SIU; and ISU
- 10:30-11:00 Trends in Vocational Education by J. E. Hill, Director of Vocational and Technical Education in State of Illinois
- 11:00-11:30 Management Side of Farming by Forest L. Goetsch, Vice-President of Doane Agricultural Service, Inc.
- 12.30-1:00 Lunch at Ralston Purina Laboratory
- 1:00-3:00 Tour of Ralston Purina Laboratory

We hope you will make arrangements to attend this professional meeting.

How are we doing? The following article appeared in the Reader's Digest in one of the 1960 issues. It was recently quoted by William Kuhfuss, President of Illinois Agricultural Association, during the Farm Bureau Conference held for FFA members.

#### IF WE WERE TO MATCH THE SOVIET UNION

In order to enjoy the glories of the present Soviet system, we would have to abandon three-fifths of our steel capacity, two-thirds of our petroleum capacity, 95% of our electric-motor output, destroy two of every three of our hydroelectric plants, and get along on a tenth of our present volume of natural gas.

We would have to rip up 14 out of every 15 miles of our paved highways and two out of every three miles of our main -line railway tracks. We'd sink eight out of every nine ocean-going ships, scrap 19 out of every 20 cars and trucks, and shrink our civilian air fleet to a shadow of its present size.

We would have to cut our living standards by three fourths, destroy 40 million TV sets, nine out of every ten telephones, and seven out of every ten houses; and we would have to put about 60 million of our people back on the farm.

--Excerpt from a speech by Bryce N. Harlow, Deputy Assistant to the President. Delivered at the Southwest Electric Conference in Chandler, Arizona

Still need vo-ag training. The following article was reprinted from the September 21 issue of the Iowa Farm Bureau Spokesman.

#### STILL NEED VO-AG TRAINING

Emphasized by concern with school drop-outs and the current unemployment rate, there have been mounting pressures from individuals and groups to expand vocational training programs in schools through federal assistance and through government re-training programs for the unemployed.

There undoubtedly is a need for more vocational training since we find people without jobs and jobs without people qualified to fill them.



But we feel that some proponents of expanded vocational training programs too often blame our present shortcomings in this field on the present federal assistance programs to vocational training.

They invariably point out that half of the total federal outlays for vocational training are channeled into agriculture and home economics.

In an apparent attempt to discredit these programs, a national magazine recently reported, "Last year 26 percent of all vo-ed funds went into agricultural training, although full-time farm workers comprise only 6 percent of the nation's labor force.

This may be true but these "6 percent" of the nation's labor force are mighty important. They provide the food supply for the entire nation.

And everyone who is familiar with agriculture realizes now is no time to be cutting back on training for people in agriculture. In fact, the opposite is true.

Young men who are going to stay in farming and be successful are going to have to be better trained than ever before. Agriculture in the 1960's is a complex business and we need the best trained people--in management and husbandry--that we can get if agriculture is to continue to contribute to this nation's progress and growth.

And the young men who participate in vocational agriculture training but don't farm will also contribute because we need them and their knowledge in the agricultural related businesses of our nation.

Doc's doodles from the NVATA and AVA convention. The NVATA started the convention with a panel of outstanding men on "Developing Good Public Relations," Louis H. Wilson, Director of Information, National Plant Food Institute; Carroll Streeter, Editor, Farm Journal; Phil Alampi, Secretary of Agriculture for New Jersey; Dr. Oliver Willham, President, Oklahoma State University; and Roy Battles, Executive Director, Clear Channel Broadcasting Service.

Wilson: Good public relations is living right and getting credit for it.

Streeter: Get a new concept of agriculture--in the 1959 census we lost 1,000,000 farmers by changing the definition of a farmer (from 2.5 acres to 10 acres); number of farmers grossing \$50,000 increased from 400,000 to 700,000; two million farmers have developed a second income; one-third of farm women have developed an income. Conclusion. These people are going to be hard to shake, they will be around a long time. When we enlarge our concept of agriculture we find we have a growing dynamic thing not a shrinking thing, so teach and prepare boys for all segments of agriculture.

Alampi. Education is a journey not a destination. He warns us not to fall prey to the metal age, silver in our hair, gold in our teeth, and lead in our pants. Recognize the change in agriculture from the 5 p's (plow, plant, piddle, pick, and pray) to the 5 p's of PLAN, PRODUCE, PROCESS, PRE-PACKAGE, AND PROMOTE. Remember when there is no faith in the future there is no power in the present.

Roy Battles made these observations: 1) There is no substitute for personal contact (know the communicators personally; 2) know news--what interests people you want to reach; use a gimmick to dress up your information; 3) direct information to opinion





leaders or thought leaders instead of to the masses. (Communicators sometimes have opinions or prejudices which you have to change slowly.)

\*\*\*\*\*

A little gem I would like to pass on to you. We as agricultural teachers are manufacturers. We will make excuses, make trouble, or make good!

\*\*\*\*\*

Emerging patterns of agricultural education high-school level in North Carolina:

Ninth grade--Introduction to Occupations

Tenth grade--Agricultural Science and General Shop Skills

Eleventh and twelfth grades--Options: 1) agricultural business; 2) crop and livestock production; 3) agricultural mechanics; 4) ornamental horticulture

\*\*\*\*\*

Dr. Phipps and his crew did an excellent job of presenting to the combined agricultural education division their exploration of agricultural careers through vocational and technical education and the need for post-high education in agriculture. Congratulations, Lloyd, I planned to "skip out" when the room was darkened to show the slides, but I got interested and stayed the whole 40 minutes.

\*\*\*\*\*

U. S. Education Commissioner Francis Keppel told us many school administrators and teachers in the country have written letters to Washington saying vocational education was the key to a school's ability to hold its students. "Students who are sincerely committed to a definite vocational or educational objective generally do not drop out of school."

\*\*\*\*\*

Anthony J. Celebrezze, Secretary of Health, Education, and Welfare reminded us that many of our students, in terms of age, are ready to go out and look for work. But because of their lack of skills, they probably won't find it. And the depressing cycle of frustration, delinquency, dependency, and deprivation is then set in full motion.

\*\*\*\*\*

California has done a three-year study of developing "Teaching Principles of Biological Science in Agriculture Classes." This study has resulted in the publication and distribution of 2,000 copies of these teaching manuals. An agriculture and biology teacher were hired to develop the manual. They worked closely with the Education Department and the Biology Department of the University and had an experienced publisher help them to organize the manual in its final form.

\*\*\*\*\*

Hugh Ripper, vocational agriculture teacher, reported on the Ellis Clark Regional Vocational Agriculture Center at Woodbury High School, Woodbury, Connecticut, serving towns within commuting distance of Woodbury. Criteria for entry: 1) An interest in agriculture; 2) ability to do high school work; 3) a record of good school citizenship.



Bob Howey did his usual efficient job as treasurer of NVATA. He has the longest tenure of any of the NVATA officer group and was re-elected for another year.

\*\*\*\*\*

Yes, some of the sessions were long; yes, some of the sessions were boring; yes, those sponsored breakfasts were early; yes, we got tired; yes, we had a lot of papers to grade when we got home; yes, prices were high in Atlantic City; but I humbly hope to be able to attend the NVATA and AVA convention in Minneapolis next year, and hope many of you will join me.



-----  
To Vocational Agriculture Service  
University of Illinois  
434 Mumford Hall  
Urbana, Illinois 61803

Please send the following items:

| <u>No. of<br/>copies</u> | <u>Price<br/>each*</u>   | <u>Total<br/>amount</u> | <u>Item</u>                                 |
|--------------------------|--------------------------|-------------------------|---|
| _____                    | 8¢                       | _____                   | Analyzing the Farm Business                 |
| _____                    | 3¢                       | _____                   | Key to Analyzing the Farm Business          |
| _____                    | 2¢                       | _____                   | Analysis <u>Chart</u> for the Farm Business |
| _____                    | \$3. 87                  | _____                   | SF 357, What Records Tell About This Farm   |
| _____                    | no charge except postage | _____                   | AE 3939, Feeder Cattle Guide for 1963-64    |

\* All prices f. o. b. , Urbana

Name \_\_\_\_\_ School \_\_\_\_\_



## INDEX TO ITEMS IN VO-AG SECTION

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PRICE LIST OF FEEDS\*

January 20, 1964

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| <u>Kind of feed</u>   | <u>Cost per bu. , cwt.<br/>or tons in dollars</u> |
|---|---|
| Corn, shelled, bu. . . . .  | 1.12  |
| Corn, ground shelled, bu. . . . .                                       | 1.22  |
| Corn, ground ear, bu. . . . .   | 1.22  |
| Oats, bu. . . . .   | .64   |
| Oats, ground, bu. . . . .   | .74   |
| Barley, (feed) bu. . . . .  | 1.10  |
| Barley, ground or rolled, bu. . . . .                                   | 1.20  |
| Sorghum, grain, cwt. . . . .  | 1.94  |
| Sorghum, grain, cracked, cwt. . . . .                                   | 2.04  |
| Garbage and kitchen waste, ton. . . . .                                 | 8.50  |
| Skim and buttermilk, cwt. . . . .                                       | 1.50  |
| Whole milk, Grade B, cwt. . . . .                                       | 3.00  |
| Corn silage, ton . . . . .  | 12.00   |
| Sorghum silage, ton. . . . .  | 11.00   |
| Grass silage, ton   |   |
| No preservative added . . . . .   | 8.00  |
| Preserved with 70-100 lb. molasses . . . . .                            | 11.00   |
| Preserved with 50-200 lb. ground corn . . . . .                         | 12.00   |
| Clover and mixed hay--baled (for unbaled, deduct \$5 per ton) . . . . . | 25.00   |
| Alfalfa--baled (for unbaled, deduct \$5 per ton) . . . . .              | 25.00   |
| Timothy hay . . . . .   | 20.00   |
| Corn stover, ton . . . . .  | 11.00   |
| Oat straw . . . . .   | 18.00   |

\* Prepared by W. W. Albert, Department of Animal Science, University of Illinois, Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

*University of Illinois · College of Agriculture*

**434 MUMFORD HALL · URBANA, ILLINOIS**

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MARCH 4 1964  
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# VO-AG AIDS

Volume 22, Number 8

March 1964

issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

New subject-matter units. The last two new subject-matter units have been sent out to advance order subscribers since the last issue of the AIDS. They are:

| <u>Unit No.</u> | <u>Title</u>                                 | <u>Number of pages</u> |
|-----------------|--|------------------------|
| 3003a           | Electrical Wiring--Fundamentals and Planning | 24                     |
| 3016            | Electrical Wiring--Procedures and Exercises  | 32                     |

Copies of these units are now available for open distribution at one cent per page, plus postage, (or at 3/4 cent per page if part of an order that exceeds 1,000 pages). These are listed on a tear sheet at the end of this issue of the AIDS.

JWM

New listing cards. Shortly after February 1, 35 new listing cards for materials available from Vocational Agriculture Service were sent to all schools having listing card files. If you did not get a set, please let us know. The yellow sheet included with the new cards lists all of the cards that should be in your file and those that should be withdrawn. At least two errors have been discovered on this sheet. No. 1630, one of the new cards, was omitted from the list. Card 2405 on the list should be 2405a. The cards are correct in both cases; only the list is in error. We are sorry for these errors but appreciate the teachers who have called them to our attention.

JWM

Composite orders. Orders for small engine tools were sent out by February 15, the closing date of this composite order period. If you had ordered small engine tools and have not received them by the time you read this, please let me know. Our order for tractor maintenance items has been partially filled and we expect the balance in a few days. They will also be sent out as soon as we receive them.

JWM

Bulletins and circulars. Circular 877, Performance of Commercial Corn Hybrids in Illinois, 1961-63, and supplement for use with Circular 856, 1964 Weed Control in Field Crops, have been issued this month. Copies of these two publications were included in March Agricultural Releases. For out-of-state readers, quantity prices on these are: Circular 877, 10 cents; Supplement to Circular 856, five cents.

JWM



Drainage Guide for Illinois, a 50-page publication, which is an aid to agricultural drainage and soil and water conservation, was included in March Agricultural Releases. If you did not get a copy and want one, you may write to the Department of Agricultural Engineering, University of Illinois.

RFE

Catalog of Books and Plans. A copy of the 1963-64 edition of this catalog was included in the March Agricultural Releases. It lists all of the plan books and individual plans available from the Department of Agricultural Engineering and contains sketches of many of the items. Additional copies are available from the Department of Agricultural Engineering at 25 cents each.

RFE

Swine Equipment Plans. A new edition of Swine Equipment Plans and Housing Needs was included in March Agricultural Releases. Additional copies are available from the Department of Agricultural Engineering at \$1.00 each.

RFE

New scrambled books. Three new scrambled books have been prepared and are now available. A single copy of each was included in the March Agricultural Releases. Their titles:

Corn Production--As a Part of Your Farming Program  
General Facts on Livestock Feeding  
Minerals for Livestock

These books run from 44 to 52 pages each and are available at 15 cents each, plus postage. They are listed on a tear sheet in this issue of the AIDS.

JWM

New weed slides. Additional colored slides have been prepared so that they are now available for all of the weeds included in the State Judging Contest Rules, except one (ox-eye daisy). Some of the slides in sets 1, 2, 5, and 7 have also been replaced by better ones. Sometime next fall we hope to prepare a slidefilm containing just the weeds listed in the contest rules. This will be much cheaper than a collection of slides and most teachers may prefer to wait for that. However, any who wish to complete their sets of slides at this time may order individual slides from the list shown on the tear sheet at 22 cents per slide, plus postage. We can accept orders until March 16 for April 1 delivery.

RLC

Poison Ivy and Poison Sumac. A single copy of this publication is included in the March Agricultural Releases. Additional copies are 25 cents each, or 20 cents each in lots of 20 or more. Send orders directly to: Museum Director, Illinois State Museum, Springfield, Illinois. Checks should be made payable to Illinois State Museum.

RLC

New soil test forms. Single copies of Soil Test Form A, "Directions for Collecting Soil Samplex" and Form B, "Request for Testing Service and Information Sheet" were sent in the March Agricultural Releases. Quantity copies are available at one cent each, f. o. b., Urbana. It is included on the tear sheet for your convenience.

RLC





Tractor safety training aid. Copies of the AIDS sent to Illinois teachers have descriptive literature describing a tractor safety demonstration kit from MO-RE', Inc. P. O. Box 244, Bonner Springs, Kansas 66012. This equipment would make a unique addition to a safety training program for a vo-ag department. It is possible that one of these kits will be on display at the 1964 June Conference for Illinois Vocational Agriculture Teachers.

RFE

Operator's manuals. Illinois vocational agriculture teachers wishing to order an operator's or owner's manual for farm tractors or equipment may write to the individual listed below. Be sure to list the model and year (if possible) of the tractor or implement, and allow two weeks for delivery.

ALLIS CHALMERS. Carl W. Shuster, Advertising and Sales Promotions Department, Marketing Service and Public Relations Division, Allis Chalmers Mfg. Co., Box 512, Milwaukee, Wisconsin 53201

J. I. CASE. E. F. Reiske, District Manager, J. I. Case Co., 4260 Forest Park Avenue, St. Louis, Missouri

INTERNATIONAL HARVESTER. W. T. Schnathorst, Supervisor Education Services, International Harvester Co., 180 North Michigan Avenue, Chicago, Illinois

Mr. Schnathorst informs us that they would be willing to supply individual copies of manuals on specific models of machines without charge. Instructors desiring quantities of copies of operator's manuals should contact the International Harvester farm equipment district office that serves their area and arrange with them to order the manuals on a quotation basis.

JOHN DEERE. W. G. Berry, Deere & Co., Moline, Illinois. A reference copy available without charge; additional copies available at cost.

MASSEY-FERGUSON. George Tamm, Massey-Ferguson, Inc., 6143 Brookville Road, Indianapolis, Indiana

NEW HOLLAND. Elmer Z. Delp, Manager of Marketing, New Holland Machine Company, New Holland, Pennsylvania

NEW IDEA. Linus Hausfeld, Assistant Service Manager, New Idea Farm Equipment Co., Coldwater, Ohio. Be sure to send lot number and serial number to get the correct manual for the implement

Mr. Hausfeld informs us that if teachers wish to hold farm shop meetings for students or farmers on adjusting or repairing equipment they may receive help by contacting C. R. McQuate, Branch Manager, New Idea Farm Equipment Co., 95 North Main Street, Sandwich, Illinois

OLIVER. George A. Franklin, Branch Manager, Oliver Corporation, 10,000 Galena Road, Peoria, Illinois

Mr. Franklin informs us that manuals on older models are out of print in some cases. If they have the manuals, they will supply them.

RFE



Soil samples of known soil-test value. All orders for the standard soil samples have been sent, and should have been received by this time. The Field and Furrow Club has an adequate supply of each sample, so we will be able to accept additional orders. The samples have the following soil test values.

| <u>Sample No.</u> | <u>Test</u> |           |           |          |
|-------------------|-------------|-----------|-----------|----------|
|                   | <u>pH</u>   | <u>P1</u> | <u>P2</u> | <u>K</u> |
| 1                 | 6.9         | 13        | 115       | 140      |
| 2                 | 4.6         | 6         | 9         | 145      |
| 3                 | 5.9         | 11        | 53        | 276      |
| 4                 | 5.9         | 22        | 33        | 220      |
| 5                 | 6.0         | 15        | 24        | 210      |
| 6                 | 6.6         | 17        | 67        | 300      |

Individual samples are \$3.00, or \$15.00 for the complete set of six, f. o. b., Urbana. Samples are sent in paper plastic lined bags, but should be stored permanently in glass jars to retain their original soil-test value. They are included on the tear sheet.

RLC

Summary of Presentations: Sixteenth Illinois Custom Spray Operators' Training School. A copy was included in the March Agricultural Releases. Summaries of 32 presentations are included, such as "Soil Residue Problems with Herbicides," "New Herbicides," "Directed Weed Sprays for Corn and Soybeans," and the "Insect Situation for 1964." Copies are \$1.00 each, and may be ordered from the Entomology Extension Office, 280 Natural Resources, or from our office.

RLC

Sheep Shearing Schools. G. R. Carlisle of the animal science extension staff has given us the following information.

Sheep Shearing Schools this year will be held as follows: March 16 and 17 at Lee County 4-H Center. Amboy; March 30 and 31 at the University of Illinois, Urbana; and April 1 and 2 at Dixon Springs Experiment Station, Simpson.

We will try to limit this school to older high schools boys who have sheep projects or boys who are out of school but who do own sheep flocks and wish to learn. Enrollment fee will be the usual \$2.50 per boy, \$2.00 of which will be refunded to all boys who stay for the two days of the school. The enrollment fee check should be made payable to the Sheep Shearing Fund. Since we always have more enrollments than we are able to accommodate, we will take enrollments on a first-come first-served basis, and unless the enrollment fee accompanies the letter, the boy cannot be assured a place in the school.

Send enrollments direct to Professor G. R. Carlisle, University of Illinois Animal Science Department, 326 Mumford Hall, Urbana, with a copy to your farm adviser. Be sure to designate which school the boy wishes to attend.

We will furnish all equipment. Each boy should bring old clothes and shoes. Each school will start at 9:00 a. m. on the first day and will end by 3:00 p. m. on the following day.



We do not want boys who have been to a school before to return as regular students. However, if past students wish to come the second day and have us check their techniques, they may do so. They do not need to enroll in advance, but should bring their own equipment. We are asking each school to limit its enrollment to two.

As in the past, we will have a limited amount of used equipment for sale. This is slightly over half price for shearing machines that have been used only one season, plus about 60 percent of list price for new combs and cutters that have been used only in this year's shearing schools. This equipment will be available after the last shearing school.

GRC/WHW

Swine Day, University of Illinois, will be held March 24 at the University Auditorium. The morning session includes reports by the swine division staff on management studies with growing-fattening pigs, limited feed intake of gestating gilts, limited feeding of finishing hogs, young pig studies, and fineness of grinding corn and pelleting rations. The afternoon session includes presentations by Professor Simerl of the Department of Agricultural Economics, Drs. Huber and Alberts of the College of Veterinary Medicine, and Mr. Stevenson, a swine producer from Streator.

In the next week or two a copy of the completed program will be sent to all vocational agriculture teachers in Illinois. Any teachers and/or students are welcome to attend.

DEB/WHW

#### NEW BOOKS

The following have been added to our library since the last issue of the AIDS. All of our books are available for review in our office by those interested. As long as the editions are current, they will be included in such exhibits as the one at the Annual Conference of Vocational Agriculture Teachers.

Teachers who are interested in securing copies for their own use should write direct to the publisher.

INTRODUCTION TO SOIL SCIENCE IN THE SOUTHEAST, 1963. Welch and Mc.Cart. The University of North Carolina Press, Raleigh, North Carolina.

The following is taken from the preface of this book:

"The contents of this book include information basic to an understanding of problems related to soil management and crop production. . . . This book is written with three objectives in mind: first, to provide subject material and a guide for a block of instruction in soil science for vocational agriculture students; second, to provide high school science students with suitable basic reference materials on soils; and third, to provide adult farmer classes and fertilizer industry personnel with useful information."





## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

1964 Summer Session, June 15 to July 10. The "Vocational Education Act of 1963", signed into law by President Lyndon B. Johnson on December 18, 1963, creates unprecedented challenges and opportunities for the expansion and improvement of present programs of vocational education in agriculture and for the development of new programs of public school education in agriculture. The 1964 Summer Program in Agricultural Education is designed specifically to aid teachers of vocational agriculture in developing and revising agricultural education programs for the future. In each of the four agricultural education courses implications of the "Vocational Education Act of 1963" will be considered. The 1964 Summer Session affords teachers an unusual opportunity to become familiar with the new legislation and to study about and plan for the "new era in agricultural education." Courses to be taught by the Division of Agricultural Education staff are:

- VOTEC 456 Problems and Trends in Agricultural Education (1 unit).  
Hemp, Krebs, Phipps, Warmbrod (Enrollment limited to persons with master's degrees or consent of instructor)
- VOTEC 471 Policy and Policy Making for Public School Education in Agriculture (1/2 unit). Warmbrod
- VOTEC 473 Vocational Education in Agriculture for Adults (1/2 unit).  
Hemp
- VOTEC 476 Guidance in Agricultural Education (1/2 unit) Krebs
- SE ED 448 Continuing (Adult) Education (1/2 unit or 1 unit). Phipps  
(Prerequisites: VOTEC 471, 473, 476)

Six courses in agriculture and four courses in education will also be offered. The brochure describing the 1964 Summer Program will be sent to you in early March. Teachers attending the 1964 Summer Session will use for the first time the special facilities designed for the Agricultural Education Division in the new air-conditioned College of Education building.

JRW

Agriculture Student Guest Day. Teachers of agriculture are reminded that March 14 is Agriculture Student Guest Day at the University of Illinois. Special meetings and programs are held on this date to help high school students become acquainted with





the College of Agriculture and the various curricula in the College. Special-interest sections to be held at 11:00 a. m. and 12:30 p. m. will be devoted to agricultural education, extension, and communications. We hope that teachers, who have students attending Agriculture Guest Day, will encourage them to attend one of the Agricultural Education sessions.

PEH

Three sets of brothers prepare for vocational agriculture teaching. Among the 88 undergraduate students enrolled in the Agricultural Education curriculum at the University of Illinois are three sets of brothers.

Arthur, William, and Lawrence Engelbrecht are enrolled in the Agricultural Education curriculum. Their home is near Henry, Illinois, in Marshall County. Two brothers from Mount Carmel who are currently studying at the University are Russell and Charles Higgins. Russell is a senior and Charles is a Junior. The Macke brothers, Kenneth and John, are from Marshall. Kenneth is scheduled to do his student teaching during the 1964-65 school year, and John will do his student teaching the following year.

PEH

Placement report. As of February 10, 1964, no vacancies in vocational agriculture for the 1964-65 school year had been listed with the Office of Teacher Placement, but the demand for agriculture teachers in Illinois in 1964-65 should again exceed the supply of qualified teachers. Now that new federal funds are to be made available to expand vocational education the demand for vocational teachers will probably increase during the next few years.

The supply of beginning teachers available for placement this summer from the University of Illinois includes 18 men who will have B. S. degrees and three who will have Master's degrees.

PEH

VOTEC 477. Field Studies in Agricultural Education. In the regular rotation among the districts of the state, the field studies course will be offered in District II, Sections 6-10 in the fall semester of 1964-65. It is not too early to begin planning to enroll.

These are particularly critical and challenging times in agricultural education. The passage of the Vocational Education Act of 1963 and the gradually changing philosophy of the Cooperative Extension Service indicate a need for some re-thinking and re-planning of the total effort to provide sound programs of agricultural education for all who need it. VOTEC 477 will provide the opportunity needed for sharing ideas and plans for the benefit of all concerned.

Special notices will be sent to agricultural educators in District II in the near future.

AHK

"Spotlight" No. 2. The second issue of "Spotlight" will soon roll off the presses. About two years ago the Agricultural Education Club and Alpha Tau Alpha collaborated to put in print items of news about the two organizations--items of interest to high school students generally. We hope that "Spotlight No. 2" will serve the same purpose and that your students will be interested in looking through it for news about past FFA officers for both the State of Illinois and the local school chapters.

AHK



## LISTING AND ORDER FORM FOR MISCELLANEOUS ITEMS

February 1, 1964

Name \_\_\_\_\_ Date \_\_\_\_\_

School \_\_\_\_\_

Address \_\_\_\_\_

Billing \_\_\_\_\_

| Items  | Price*<br>each | Number<br>desired | Amount |
|--|----------------|-------------------|--------|
| Agronomy Facts   |                |                   |        |
| Volume III (1955-56)   | 1.00           |                   |        |
| Volume IV (1956-57)  | 1.00           |                   |        |
| Volume V (1957-58)   | 1.00           |                   |        |
| Volume VI (1958-59)  | 1.00           |                   |        |
| Volume VII (1959-61)   | 1.00           |                   |        |
| Analysis Charts and Tabulation Sheets                            |                |                   |        |
| Analysis charts for crops--pack of 14                            | .10            |                   |        |
| Analysis charts for livestock--pack of 14                        | .10            |                   |        |
| Tabulation sheets for crops--pack of 7                           | .05            |                   |        |
| Tabulation sheets for livestock--pack of 7                       | .05            |                   |        |
| Using Analysis Charts to Compare Students' Results with Averages | .05            |                   |        |
| Approved Practices   |                |                   |        |
| For Alfalfa  | .04            |                   |        |
| For Corn   | .04            |                   |        |
| For Oats   | .04            |                   |        |
| For Soybeans   | .04            |                   |        |
| For Wheat  | .04            |                   |        |
| For Swine  | .05            |                   |        |
| Blueprints for bolt rack, tool cabinet, revolving device         |                |                   |        |
| Individual prints  | .30            |                   |        |
| Set of 3   | .75            |                   |        |
| Calendar of Events   | .15            |                   |        |
| Color Charts, Munsell  |                |                   |        |
| Color chips for making soil color charts, unmounted              | 2.75           |                   |        |
| Notebook cover for same  | 1.50           |                   |        |
| Cumulative Record Books for Foundation Awards                    |                |                   |        |
| Farm and Home Beautification                                     | .10            |                   |        |
| Farm and Home Electrification                                    | .10            |                   |        |
| Farm and Home Safety   | .10            |                   |        |
| Farm Mechanics   | .10            |                   |        |
| Soil and Water Management  | .10            |                   |        |
| Electric Motors for Farm Use                                     | .35            |                   |        |
| Farm Management Course Materials                                 |                |                   |        |
| Analyzing the Farm Business                                      | .08            |                   |        |
| Key to Analyzing the Farm Business                               | .03            |                   |        |
| Analysis Chart for the Farm Business                             | .02            |                   |        |
| The Use of the Income Possibilities Form                         | .04            |                   |        |
| Form "Income Possibilities on Your Farm"                         | .03            |                   |        |
| Partial Budgets and Break-Even Problems                          | .04            |                   |        |
| Key to Partial Budgets and Break-Even Problems                   | .03            |                   |        |
| Partial Budget Form (double sheet of 4 forms)                    | .03            |                   |        |
| Machine Costs (single sheet)                                     | .02            |                   |        |
| Farm Record Materials  |                |                   |        |
| Illinois Farm Record Book, Part I                                | .25            |                   |        |
| Illinois Farm Record Book, Part II                               | .25            |                   |        |
| Problem for Use with the Illinois Farm Record Book               | .10            |                   |        |
| Key for above problem  | .50            |                   |        |
| Farm Lease Reports   |                |                   |        |
| Livestock-Share Tenant's Farm Report to Landlord, pad of 25      | 1.00           |                   |        |
| Crop-Share Tenant's Farm Report to Landlord, pad of 15           | 1.00           |                   |        |
| Fertilizer Short Course Materials                                |                |                   |        |
| Safe Fertilizer Application, 6 pages                             | .03            |                   |        |
| Using Phosphorus Fertilizers, 8 pages                            | .04            |                   |        |
| Nitrogen, 12 pages   | .06            |                   |        |
| D-1 Soil Test Report   | .01            |                   |        |
| D-2 Using the Results of Your Soil Acidity Test for Lime         | .01            |                   |        |
| D-3 Phosphorus--Maps and Interpretations                         | .01            |                   |        |
| D-4 Potassium--Maps and Interpretations                          | .01            |                   |        |

\* All prices f. o. b., Urbana; shipping charges extra

Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois

| Items  | Price*<br>each                       | Number<br>desired | Amount |
|--|--------------------------------------|-------------------|--------|
| Field Notes for Surveying  | .10                                  |                   |        |
| Filing Materials, box of   | 5.00                                 |                   |        |
| Extra Cards, per package of 100 (state color)                                    | .25                                  |                   |        |
| Flocked Paper (adhesive one side for flannelgraph use) 2 sheets                  | 1.35                                 |                   |        |
| Judging Cards (7 colors) per thousand (special order blank available on request) | 3.00                                 |                   |        |
| Judging and Grading Meat, 24 pages   | .15                                  |                   |        |
| Judging Milk, Sediment Discs and Milker Unit Heads, 8 pages                      | .05                                  |                   |        |
| Illinois Scoring Device (with two cut-outs)                                      | .15                                  |                   |        |
| Land-Use Selection Cards, package of 25  | .25                                  |                   |        |
| Parliamentary Practice Materials   |                                      |                   |        |
| Guide to Parliamentary Practices, booklet  | .25                                  |                   |        |
| Beginning Steps in Parliamentary Practices                                       | .06                                  |                   |        |
| Ladder Charts, per set   | 1.00                                 |                   |        |
| Planning Your Farm Business  | .25                                  |                   |        |
| Problem illustration for Planning Your Farm Business                             | .10                                  |                   |        |
| Pressboard Covers, 9" x 11-1/2"  | .25                                  |                   |        |
| Programmed Instruction Series (for use with Rapid Rater)                         |                                      |                   |        |
| Each of following available in packages of 20                                    |                                      |                   |        |
| 101 Selecting and Purchasing Hogs  | .20                                  |                   |        |
| 201 Summarizing and Analyzing Records  | .20                                  |                   |        |
| 202 Starting to Keep Records   | .20                                  |                   |        |
| 203 Increasing Earnings Through Farm Records                                     | .20                                  |                   |        |
| 204 Keeping Records Up to Date   | .20                                  |                   |        |
| 205 How Prices of Meat Animals are Determined                                    | ) on front and back of same<br>sheet |                   |        |
| 207 Using Real Estate Loans  |                                      | .20               |        |
| 206 Credit Instruments   | .20                                  |                   |        |
| 301 Small Engines, Part 1  | .20                                  |                   |        |
| 302 Small Engines, Part 2  | .20                                  |                   |        |
| 303 Farm Surveying, Part 1   | .20                                  |                   |        |
| 304 Farm Surveying, Part 2   | .20                                  |                   |        |
| 305 Electrical Wiring, Part 1  | .20                                  |                   |        |
| 306 Oxyacetylene Welding, Part 1   | .20                                  |                   |        |
| 307 Oxyacetylene Welding, Part 2   | .20                                  |                   |        |
| 401 Storing and Drying Corn  | .20                                  |                   |        |
| 402 Corn Insects   | .20                                  |                   |        |
| 403 Understanding Soils, Part 1  | .20                                  |                   |        |
| 404 Understanding Soils, Part 2  | .20                                  |                   |        |
| 501 Let's Look at Agriculture  | .20                                  |                   |        |
| Insert sheets for Rapid Rater, package of 25                                     | .05                                  |                   |        |
| Revolving Jar Holders and Supplies   |                                      |                   |        |
| Revolving Jar Holders with 36 14-ounce jars                                      | 7.00                                 |                   |        |
| Revolving Jar Holders with 48 4-ounce jars                                       | 5.25                                 |                   |        |
| Jars and covers for jar holders, per carton of 12 14-ounce                       | 1.25                                 |                   |        |
| Jars and covers for jar holders, per carton of 48 4-ounce                        | 2.80                                 |                   |        |
| Safe Practices in the Vo-Ag Shop, per set  | .05                                  |                   |        |
| Safe Practices in the Vo-Ag Shop, Tests On, per set                              | .05                                  |                   |        |
| Safety Rules for Power Tools, Charts on, per set of 9                            | 1.25                                 |                   |        |
| Scrambled Books  |                                      |                   |        |
| 101 Digestion in Animals   | .10                                  |                   |        |
| 102 Improving Animals Through Breeding   | .10                                  |                   |        |
| 501 Parliamentary Procedure--Presenting and Voting Motions                       | .10                                  |                   |        |
| Slidefilm containers   | .03                                  |                   |        |
| Soil Monolith items  |                                      |                   |        |
| Soil Cutter for Making Monoliths   | .85                                  |                   |        |
| Aluminum tubing for making soil cutters, per foot                                | 1.50                                 |                   |        |
| Instruction sheet for making soil monoliths                                      | .05                                  |                   |        |
| Soil Testing Spoons, measuring (double end, 1 and 2-1/2 grams)                   | .50                                  |                   |        |
| Standards for Measures of Efficiency   | .05                                  |                   |        |
| Suede Paper, 27" wide, per yard  | .25                                  |                   |        |
| Tool Holders, small, large--either size  | .05                                  |                   |        |
| Welding Plans, set of 27   | .20                                  |                   |        |

\* All prices f. o. b., Urbana; shipping charges extra

VOTEC 449. Independent Study. Several teachers are engaged in independent studies during the present semester. You may want to ask them about their studies, when you see them. They are:

James Leming, Mattoon--"Developing Program Proposals for Training in Technical Occupations in Rural Areas."

J. Gordon Bidner, Monticello--"Determining the Non-Farm Agricultural and Non-Agricultural Job Opportunities in the Monticello Unit No. 25 School District and the Implications for Change in the Agricultural Program."

Joseph W. Berger, Charleston--"Developing Program Proposals for Training in Technical Occupations in Rural Areas."

Kenneth Knell, Mahomet--"Developing a Beef Performance Testing Program as a Part of the Adult Education Program in Vocational Agriculture at Mahomet High School."

Wayne Blunier, Bellflower--"Study of the Need for Technical Education in Agriculture in and for the Bellflower Township High School, District Unit No. 311."

AHK

Vocational agriculture students interested in teaching. We appreciate the response to the request for names of young men whom you would recommend to use as prospective future teachers of agriculture. The form is repeated in this issue of the AIDS for teachers who might have missed the earlier requests. Please list the names and addresses of senior students you wish to recommend, and send it to the Division of Agricultural Education, University of Illinois, 103 Gregory Hall, Urbana.

AHK

Name of Seniors

Addresses

|       |       |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Signed

\_\_\_\_\_  
Vocational Agriculture Teacher

Address

\_\_\_\_\_  
\_\_\_\_\_





# IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

The following was reported in a recent newsletter from NVATA:

## \*VO-AG APPEAL CONTINUES STRONG

It is encouraging to read that apparently more boys than ever before are studying vocational agriculture in high school. This is indicated by the fact that the Future Farmers of America (FFA) has a record membership of 395, 812 for the 1962-63 school year.

Why encouraging? Well, obviously it seems to indicate that despite the trend toward fewer farms and farmers, farm boys are still interested in studying agriculture. If there is a place for fewer of them in actual farming than would have been the case 20 years ago, there is no lack of opportunity for them in agricultural occupations off the farm, or as it is sometimes stated, in ag-related jobs. It shows, too, a general realization that people who are employed in agriculture must be well educated and well trained.

Surveys show that approximately 35 percent of boys with three or more years of vo-ag enter farming on a full-time basis, and about 25 percent go on to college principally to major in agriculture. Many others who do not go directly onto the farm or on to college use their farm experience, vo-ag education, and FFA training as background for finding jobs in off-farm agricultural lines.

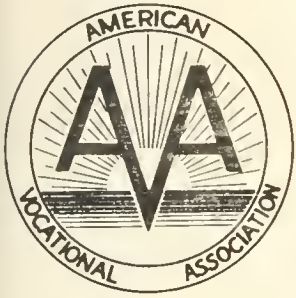
The entire agricultural complex in this country employs many millions of persons. A substantial part of these need education in agriculture. The FFA in nearly 10,000 high schools gives several hundred thousand boys a year a fine start toward that education.

\*From The Agricultural Situation, September 2, 1963. Issued from the General Office of the Corn Belt Farm Dailies, 836 Exchange Avenue, Chicago 9, Illinois.





FELLOW TEACHERS: THIS IS OUR CONCERN!!!!



# AVA WASHINGTON LETTER

AMERICAN VOCATIONAL ASSOCIATION, INC.

1010 VERMONT AVENUE

WASHINGTON 5, D. C.

Volume 18, No. 1

February 14, 1964

Vocational educators everywhere are proud of the great legislative victory of 1963, --the approval, by an overwhelming majority, of the "Vocational Education Act of 1963" - the Perkins Act - known officially as Public Law 88-210. This was the greatest legislative victory for Vocational Education ever won since the passage of the Smith-Hughes Act in 1917.

The new act will be of little value until funds are appropriated for implementing its provisions. In fact, the new law is only a "hunting license" for money.

The President of the United States recommended in his supplemental budget \$60 million for vocational education for the fiscal year ending June 30, 1964 - the present fiscal year. He also recommended the full amounts (except for fishery trades) authorized in all existing vocational education acts for the fiscal year ending June 30, 1965. This budget for next year calls for a total of \$205,457,000 for Vocational Education - as compared to \$57 million appropriated for fiscal 1964.

Both the supplemental budget (for fiscal year ending June 30, 1964) and the budget for the coming fiscal year (ending June 30, 1965) are now before Congress and under consideration by the Subcommittee of the House Appropriations Committee composed of the following members of the House: John E. Fogarty (D), Rhode Island (Chairman); Winfield K. Denton (D), Indiana; John Lisinski (D), Michigan; Melvin R. Laird (R), Wisconsin; and Robert H. Michel (R), Illinois.

We are greatly concerned that the supplemental appropriation, if approved at all, will be approved too late to be used effectively and prudently. In my carefully considered opinion - after contacts with many - some in high places the \$60 million or any part of it will not be approved unless there is a tremendous groundswell from every state in the nation urging that action be taken at once.



The \$60 million for the present fiscal year is greatly needed if states are to be able to tool up with needed modern equipment, with staff members, - local and state, - and with new training stations. These things are essential if states are to be in a position to use effectively a great increase in funds which we hope will be made available during the next fiscal year, which ends June 30, 1965. Up-to-date equipment and teaching aids are greatly needed in most vocational schools. Additional staff members at state and local levels are essential if programs are to be planned and developed to meet our nation's vocational training needs. These and other facts should be made known at once in no uncertain terms to every member of the National Congress, both Representatives and Senators. You will know the appropriate people to apprise them of these facts.

The primary purpose of this letter is to acquaint you with the fact that the \$60 million supplement recommended by President Johnson will not be appropriated unless vigorous action is taken at once. Everyone who receives this letter should immediately take steps through appropriate people to make his wants and needs known to his members of Congress.

Words are inadequate to explain the situation in which we find ourselves. We have a new law but no money with which to implement it. Money will not be made available unless Congress is convinced at once that there is a dire need for funds this year...before June 30, 1964. If the full \$60 million is not appropriated this year, in all likelihood the \$205 million recommended for next year will be greatly reduced.

Every effort will be made to adjourn Congress at an early date because this is a Presidential Election year. Unless action comes soon on the supplemental appropriation (\$60 million) there is real danger that no funds at all will be made available until after July 1, 1964.

Keep in mind that, if approved, the supplemental appropriation (\$60 million) for the present fiscal year will not have to be matched with state or local money unless used for the construction of buildings. Funds made available after July 1, 1964 will have to be matched dollar for dollar.

President Johnson has also requested in his supplemental budget an additional \$55 million to finance for the remainder of the present year the Manpower Development and Training Act. We are told on good authority that all funds appropriated for the present fiscal year (\$110 million) are now completely committed. If any new or additional M.D.T.A. programs are to be financed, the supplemental appropriation must be approved by Congress. State and local officials who need additional funds for M.D.T.A. programs should let their wishes be known at once to Members of Congress.

Your full cooperation and that of hundreds of others that you can touch are earnestly solicited.

Sincerely yours,

  
M. D. Mobley  
Executive Secretary



### Announcements

1. Please let me know if you qualify for the "30-Minute Club."
2. Prizes will be awarded for the Exchange of Ideas Contest. Will you have an entry? It is up to each vocational agriculture teacher to make this a valuable experience.
3. How active has your committee been during the year? We hope to have an active report from each committee during the convention. Active membership makes for a good organization of informed members.
4. Please notify the Awards Committee if your name was not in the last newsletter, and you are eligible to receive a service award this year.
5. Please send any news items that you have to William Martinie, Minonk, Illinois, by the fifteenth of each month.

### Reports to Doc

Please mail all of your committee reports to E. L. Rice, Princeville, on or before March 1. These reports must be in early so that the committee reports can be typed and reproduced before the convention.

### 1964-65 Diary

The d-Con company will again sponsor a split-year diary for the NVATA. These will be distributed at the June Conference. Your sectional chairman will have them to pass out during the sectional meetings.



To Vocational Agriculture Service  
 434 Mumford Hall  
 Urbana, Illinois 61803

Please send the following items:

| <u>Number</u> | <u>Price each *</u> | <u>Total amount</u> | <u>Item</u>   |
|---------------|---------------------|---------------------|---|
|               |                     |                     | <u>New Units</u>  |
| _____         | . 24                | _____               | VAS 3003a, Electrical Wiring--Fundamentals and Planning   |
| _____         | . 32                | _____               | VAS 3016, Electrical Wiring--Procedures and Exercises     |
|               |                     |                     | <u>Scrambled Books</u>                                    |
| _____         | . 15                | _____               | Corn Production--As a Part of Your Farming Program        |
| _____         | . 15                | _____               | General Facts on Livestock Feeding                        |
| _____         | . 15                | _____               | Minerals for Livestock                                    |
|               |                     |                     | <u>Soil Test Forms</u>                                    |
| _____         | . 01                | _____               | Form A, Directions for Collecting Soil Samples            |
| _____         | . 01                | _____               | Form B, Request for Testing Service and Information Sheet |
|               |                     |                     | <u>Soil Samples of Known Test Value</u>                   |
| _____         | 15. 00              | _____               | Complete set of six samples                               |
|               |                     |                     | <u>Individual Samples</u>                                 |
|               |                     |                     | <u>Sample No.</u>   |
|               |                     |                     | <u>Test</u>   |
|               |                     |                     | pH      P <sub>1</sub> P <sub>2</sub> K                   |
| _____         | 3. 00               | _____               | 1      6. 9      13      115      140                     |
| _____         | 3. 00               | _____               | 2      4. 6      6      9      145                        |
| _____         | 3. 00               | _____               | 3      5. 9      11      53      276                      |
| _____         | 3. 00               | _____               | 4      5. 9      22      33      220                      |
| _____         | 3. 00               | _____               | 5      6. 0      15      24      210                      |
| _____         | 3. 00               | _____               | 6      6. 6      17      67      300                      |

\* Prices do not include shipping charges

Name \_\_\_\_\_ School \_\_\_\_\_





-----  
To Vocational Agriculture Service  
434 Mumford Hall  
Urbana, Illinois 61803

Please send the following individual slides as checked. I understand that the price is 22 cents per slide, plus postage, and that orders received before March 16 will be sent about April 1.

SLIDE SET 1

- \_\_\_ 1. Broadleaf plantain #
- \_\_\_ 2. Buckhorn #
- \_\_\_ 3. Chicory
- \_\_\_ 4. Corn cockle #
- \_\_\_ 5. Jimson weed #
- \_\_\_ 6. Johnson grass #
- \_\_\_ 7. Lamb's quarter #
- \_\_\_ 8. Leafy spurge #
- \_\_\_ 9. Milkweed #
- \_\_\_ 10. Pepper grass #\*
- \_\_\_ 11. Perennial sow thistle #
- \_\_\_ 12. Smartweed #
- \_\_\_ 13. Velvet weed #
- \_\_\_ 14. Wild carrot #
- \_\_\_ 15. Wild parsnip #

SLIDE SET 2

- \_\_\_ 16. Bracted plantain
- \_\_\_ 17. Buffalo bur
- \_\_\_ 18. Burdock\*
- \_\_\_ 19. Daisy fleabane
- \_\_\_ 20. Dog fennel
- \_\_\_ 21. Flower-of-an hour
- \_\_\_ 22. Flowering spurge
- \_\_\_ 23. Ground cherry
- \_\_\_ 24. Horsetail
- \_\_\_ 25. Joe-Pye weed  
(Thoroughwort)
- \_\_\_ 26. Spanish needles #
- \_\_\_ 27. Water hemlock
- \_\_\_ 28. Whorled milkweed
- \_\_\_ 29. Wild onion
- \_\_\_ 30. Yarrow\*

SLIDE SET 5

- \_\_\_ 31. Bitter nightshade
- \_\_\_ 32. Blue vervain\*
- \_\_\_ 33. Canada thistle #
- \_\_\_ 34. Catnip\*
- \_\_\_ 35. Climbing milkweed
- \_\_\_ 36. Common ragweed #\*
- \_\_\_ 37. Crabgrass #
- \_\_\_ 38. Curled dock #\*
- \_\_\_ 39. Field bindweed #
- \_\_\_ 40. Giant foxtail #\*
- \_\_\_ 41. Giant ragweed #\*
- \_\_\_ 42. Green foxtail
- \_\_\_ 43. Prostrate spurge
- \_\_\_ 44. Sandbur
- \_\_\_ 45. Wild barley
- \_\_\_ 46. Wild lettuce
- \_\_\_ 47. Wild mustard #

SLIDE SET 7

- \_\_\_ 48. Bouncing bet
- \_\_\_ 49. Bedstraw  
(Cleavers)
- \_\_\_ 50. Cocklebur #\*
- \_\_\_ 51. Hedge mustard
- \_\_\_ 52. Maretail
- \_\_\_ 53. Wirestem muhly
- \_\_\_ 54. Rough pigweed #
- \_\_\_ 55. Poison ivy
- \_\_\_ 56. Prairie rose
- \_\_\_ 57. Prickly sida
- \_\_\_ 58. Prostrate pigweed
- \_\_\_ 59. Purslane
- \_\_\_ 60. Snow-on-the-  
mountain
- \_\_\_ 61. Wild sunflower
- \_\_\_ 62. Witchweed

NEW WEED SLIDES

- \_\_\_ 63. Annual morning  
glory
- \_\_\_ 64. Barnyard grass #
- \_\_\_ 65. Bull nettle #
- \_\_\_ 66. Cheat #
- \_\_\_ 67. Evening primrose
- \_\_\_ 68. Quack grass #
- \_\_\_ 69. Red sorrel #
- \_\_\_ 70. Rough cinquefoil #
- \_\_\_ 71. Wild buckwheat #
- \_\_\_ 72. Wild salsify  
(goat's beard) #
- \_\_\_ 73. Yellow foxtail #
- \_\_\_ 74. Arrowhead
- \_\_\_ 75. Bull thistle
- \_\_\_ 76. Cup plant
- \_\_\_ 77. Dandelion
- \_\_\_ 78. Dodder
- \_\_\_ 79. Fall panicum
- \_\_\_ 80. Ground ivy
- \_\_\_ 81. Iron weed
- \_\_\_ 82. Ivy-leaf  
morning glory
- \_\_\_ 83. Mouse-ear  
chickweed
- \_\_\_ 84. Mullein
- \_\_\_ 85. Nimblewill
- \_\_\_ 86. Nutgrass
- \_\_\_ 87. Pokeberry

# Included in State Judging Contest Rules

\* Improved slide available

Name \_\_\_\_\_ School \_\_\_\_\_



## INDEX TO ITEMS IN VO-AG SECTION

|   | <u>Page<br/>number</u> |
|---|------------------------|
| Bulletins and Circulars                       | 1                      |
| Catalog of Books and Plans                    | 2                      |
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| Drainage Guide for Illinois                   | 2                      |
| Feed Prices                                   | Inside backcover       |
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| New Soil Test Forms                           | 2                      |
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| Summary of Presentations: Custom Spray School | 4                      |
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| Swine Equipment Plans                         | 2                      |
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PRICE LIST OF FEEDS\*

February 20, 1964

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| <u>Kind of feed</u>                       | <u>Cost per bu., cwt.,<br/>or tons in dollars</u> |
|---|---|
| Corn, shelled, bu.                        | 1.08  |
| Corn, ground shelled, bu.                 | 1.18  |
| Corn, ground ear, bu.                     | 1.18  |
| Oats, bu.                                 | .62   |
| Oats, ground, bu.                         | .72   |
| Barley, (feed) bu.                        | 1.08  |
| Barley, ground or rolled, bu.             | 1.18  |
| Sorghum, grain, cwt.                      | 1.92  |
| Sorghum, grain, cracked, cwt.             | 2.02  |
| Garbage and kitchen waste, ton            | 8.50  |
| Skim and buttermilk, cwt.                 | 1.50  |
| Whole milk, Grade B, cwt.                 | 3.00  |
| Corn silage, ton                          | 12.00   |
| Sorghum silage, ton                       | 11.00   |
| Grass silage, ton                         |   |
| No preservative added                     | 8.00  |
| Preserved with 70-100 lb. molasses        | 11.00   |
| Preserved with 150-200 lb. ground corn    | 13.00   |
| Clover and mixed hay ) All hay prices are | 25.00   |
| Alfalfa ) for baled hay.                  | 25.00   |
| Timothy hay ) Loose hay \$5 less per ton  | 20.00   |
| Oat straw                                 | 18.00   |

\* Prepared by W. W. Albert, Department of Animal Science, University of Illinois, Urbana, Illinois

**VOCATIONAL AGRICULTURE SERVICE**

University of Illinois · College of Agriculture

**434 MUMFORD HALL · URBANA, ILLINOIS**

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UNIVERSITY OF ILLINOIS

# VO-AG AIDS

Volume 22, Number 9

April 1964

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education





# VO-AG SERVICE

## Announcements & Notes

Rapid Raters sent. After much delay, our order for 505 Rapid Raters has been delivered and they have been sent to all teachers who have ordered them. Please let us know if you have not received your order. On March 19 we placed an order for an additional 500 and have been promised delivery in a month. If you wish to order at this time, please use the tear sheet found in this issue of the AIDS. Price will be about \$3.00 each, plus postage.

JWM

FFA roadside signs. We have sets of reconditioned FFA roadside signs for the following schools:

|               |                     |
|---------------|---------------------|
| Armington*    | Patoka              |
| Assumption*   | Rochester*          |
| Beecher       | St. Jacob (Triad)   |
| Bismarck      | Salem*              |
| Bowen*        | Sterling            |
| Brussels*     | Stonington          |
| Champaign     | Toledo (Cumberland) |
| Dallas City*  | Ullin (Century)*    |
| Eldorado      | Waterman*           |
| Gillespie*    | Washburn            |
| Lincoln       | Warsaw              |
| Marissa       | Winnebago*          |
| Maroa-Forsyth | Gilman              |
| Mt. Zion      |                     |

Schools that are starred (\*), have returned their old signs to us. Those that have not returned the old signs should do so when the reconditioned sets are picked up, or pay a charge of \$1 per board. Reconditioned signs can be sent to you if you wish to pay the shipping charges. Shipping charges on a set to most points in the state will be about \$1.75 with a few points at \$2.11. Please let us know if you want them sent. Otherwise, we shall hold them for you to pick up.

JWM

New bulletins and circulars. Several new circulars and one new bulletin have been released from the College of Agriculture since the last issue of the AIDS. They are: Circular 878, From Egg to Chick; Circular 879, Home Greenhouses; Circular 881, Your Child and His Money; and Circular 883, Chrysanthemums for the Home Garden.



Bulletin 699, Sector and Spatial Analyses of the United States Feed Economy, was also published. Circulars 878, 879, and 883 were included in the April Agricultural Releases. Prices of these publications for out-of-state distribution in quantities are as follows:

|              |     |              |     |
|--------------|-----|--------------|-----|
| Circular 878 | 15¢ | Circular 883 | 10¢ |
| Circular 879 | 10¢ | Bulletin 699 | 30¢ |
| Circular 881 | 10¢ |              |     |

JWM

Plans for a lightweight portable plastic hotbed. Dr. R. E. Wester, Horticulturist for the USDA, gave us permission to reproduce copies of his relatively inexpensive hotbed for distribution in April Agricultural Releases. A detailed picture of this structure is in the December 1963 Agricultural Research magazine. A single copy of these plans is available to those who did not receive the April Agricultural Releases.

RLC

Illinois Fertilizer Conference 1964. Single copies of the proceedings of the presentations at the annual fertilizer conference were included in the April Agricultural Releases. Single copies are available to those who did not receive one.

RLC

Soybean Varieties in Illinois for 1964. This report which was included in April Agricultural Releases gives the latest information available on soybean varieties in Illinois. It includes results from the agronomy research trials as well as yields from county demonstration plots. Quantity copies are available, but the supply is limited and will not be rerun.

RLC

Film report: Controlling Giant Foxtail. This color 35 mm slide set was developed by the Extension Editorial office. The various ways of controlling giant foxtail are discussed. Persons wanting to use this film should contact their local Extension Service office, or the Audio Visual Aids office at the University of Illinois.

RLC

Agricultural-science demonstration. Simple instructions for demonstrating the effect of a pre-emergence herbicide were included in the April Agricultural Releases. This is the first in a series of crop and herbicide demonstrations that will be developed. We are indebted to Professor Ellery Knake who helped to develop this demonstration and to Geigy Chemical Corporation for supplying the Atrazine powder. A packet of the materials needed for this demonstration may be purchased from Vocational Agriculture Service for 20 cents, postage included.

This packet contains corn kernels, weed seeds (annual morning glory, foxtail, jimson, velvet weed, lambs quarter, and pigweed) 3/4-ounce packet Atrazine powder 80W, a pint plastic bag, and the instructions. This item is included on the tear sheet for the convenience of those who may wish to order.

RLC



Weed slides. A composite order for individual weed slides was sent for duplication on March 16. We hope to send these slides about April 1. Please advise if you do not receive your order in a reasonable length of time.

RLC

Chek-Chart Farm Tractor Lubrication and Service Guide. Our attention has been called to the above publication from the Chek-Chart Corporation, 222 West Adams Street, Chicago 6. The following is quoted from their letter: "This guide contains complete lubrication service instructions, individual lubrication diagrams on the popular makes and models of farm tractors, and motor oil and gear lubricant recommendations for heavy crawler-type tractors used on large farms." The price for this guide is \$10.00 less 25 percent school discount. Quantity discounts also apply if two or more copies are purchased. If you are interested, contact the publisher directly.

JWM

Insurance in the Farm Business is the title of a new slidefilm which has been produced in cooperation with the Country Companies, Country Life Insurance Company and Country Mutual Insurance Company, Bloomington, Illinois. This 42-frame color film is described on the insert sheet in the front of the AIDS and is included on the tear sheet for your convenience in ordering. The price of this film is \$3.00, post paid. However, the Country Companies have made it possible for Illinois schools to receive a print for a charge of only 25 cents to cover the cost of handling and mailing.

Additional slidefilms on specific types of insurance may be made if this film meets with favorable response on the part of teachers. We have a supply of this film and can fill your order immediately if you send in the order or the tear sheet.

JWM

Source listing of professional information. A publication entitled "A Description and Source Listing of Professional Information in Agricultural Education" was included in the April Agricultural Releases. This publication, which was developed by an AVA committee, lists new subject-matter and source materials that have become available from the various states during the past year. Illinois readers who did not receive a copy may do so by writing to Vocational Agriculture Service. Out-of-state readers will probably receive copies from their own states.

JWM

New Rapid Rater materials available. A single copy of each of the following sets of new questions for the Rapid Rater was included in the April Agricultural Releases.

- 102 Caring for the Sheep Breeding Flock
- 103 Artificial Insemination of Livestock
- 104 Cattle Grubs
- 105 Feeds and Feeding Swine, Part 1
- 106 Feeds and Feeding Swine, Part 2
- 208 Choosing the Specific Crops to Grow, Part 1
- 209 Choosing the Specific Crops to Grow, Part 2



- 210 Making Estimates of Crop Production and Its Value
- 211 Record Keeping on the Farm, Part 1
- 212 Record Keeping on the Farm, Part 2
- 213 Balancing the Labor Supply and the Farm Business
- 214 Simplifying Farm Work
- 215 Setting up Farm Records to Provide for Analysis
- 405 Recommended Potassium Fertilizers
- 406 Handling and Using Agricultural Chemicals
- 407 Growing and Selling Christmas Trees

These are now available in packages of 20 for 20 cents per package, plus postage. For convenience, use the tear sheet in this issue of the AIDS, if you wish to order any of the items.

JWM

Ag Student Guest Day. The following was prepared by Dean C. D. Smith of the College of Agriculture:

One of the most commonly used measures of success for an event is the attendance. The registration figures for this year's Ag Student Guest Day show that our attendance almost doubled over last year. A total of 913 guests registered this year as compared with 485 last year. Included in this figure were 726 students (grade school, high school, and potential college transfers) as compared with 374 one year ago. Other attendance figures for this year as compared with one year ago are as follows: teachers 94 (63); parents 59 (39); farm advisers 16 (2); friends and others 18 (7), for a total of 187 versus 111 a year ago.

Since we know that many who attended selected parts of the program and did not register, 1,111 would be a conservative estimate of total attendance.

Success of this event this year was due to the efforts of many people, including staff members and students of the College of Agriculture, Vo-Ag teachers, farm advisers, alumni, and representatives of the news media including radio, television, newspapers, and farm magazines. The great amount of information and publicity produced by hundreds of people in support of Agricultural Careers Week was undoubtedly another factor in improved attendance figures. Also, for the first time Ag Guest Day was held the same week end as the College of Engineering Open House. Probably this motivated some students to come who would not have attended and also simplified transportation.


Our tabulation of attendance by counties shows that Richland County lead all others with a total of 35, including 34 students and one teacher, Bob Whittington of Olney. Congratulations, Bob, for a job well done. Perhaps I should add Bill Washburn's name to the winning circle, since he also teaches at Olney. Other counties in the top ten with 25 or more attending were: LaSalle, 33; Champaign, 31; Knox, 30; Kankakee, 29; Sangamon, 28; Fulton, 27; Cumberland, 26; Peoria, 25; Vermilion, 25. Twenty-one counties had no representatives registered.

We have had many fine compliments on the day's program and I would like to take this opportunity to say "Thank you for a job well done" to all of those who had any part in making the 1964 Ag Student Guest Day the biggest and best yet.

CDS







## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION, COLLEGE OF EDUCATION, UNIVERSITY OF ILLINOIS

Student Guest Day. More than 70 high school students, teachers, and parents attended the Agricultural Education interest group on Saturday, March 14, at the University of Illinois. This is the largest group to attend our section in recent years.

PEH

Placement report. As of March 17, 1964, there were five vacancies in vocational agriculture for the 1964-65 school year. Twenty beginning teachers from the University of Illinois are available for placement and 20 experienced teachers have activated their credentials.

A recent survey of 13 states in the central part of the United States indicates a shortage of 126 teachers of vocational agriculture can be anticipated during the coming placement season. A short supply of teachers is expected in Illinois, Indiana, Iowa, Minnesota, Missouri, Kentucky, Kansas, Nebraska, North Dakota, Ohio, and Michigan. Salaries for beginning teachers in the central United States are expected to range from \$5,500 to \$6,500 for the coming year.

PEH

Teacher Education Scholarship. It is now possible for your students to use Teacher Education Scholarships at the University of Illinois. These scholarships are worth as much as \$680 to students enrolled in the Agricultural Education curriculum at the University of Illinois.

Deadlines for many scholarships are past but students can still apply for Teacher Education Scholarships.

Your students are eligible if they rank in the upper one-half of their high school graduating class and enroll in a college teacher-education curriculum next fall.

Students should apply through the high school principal who will submit names of applicants to the County Superintendent of Schools.

PEH

Alpha Tau Alpha initiation. Seventeen students enrolled in Agricultural Education at the University of Illinois were initiated into Alpha Tau Alpha fraternity on March 19. Alpha Tau Alpha is a professional, honorary fraternity dedicated to the improvement and growth of vocational agriculture education.



Students who were initiated into the Alpha Chapter and the high schools which they attended are as follows:

| <u>Name</u>       | <u>School</u>     |
|-------------------|-------------------|
| Roger Allaman     | Roseville         |
| Ulin Andrews      | Neoga             |
| Robert Cottingham | Lyons Township    |
| Archie Devore     | Mulberry Grove    |
| Ronald Greenfield | Dixon             |
| Joseph Hampton    | Windsor           |
| Charles Higgins   | Mt. Carmel        |
| John Hillison     | Amboy             |
| Allen Hornbrook   | Young America     |
| John Huston       | Roseville         |
| Kenneth Macke     | Marshall          |
| Alan Naylor       | Ashton            |
| Art Neavill       | Athens            |
| Larry Spengler    | Sherrard          |
| Michael Still     | Mt. Zion          |
| Darwin Swanson    | Alwood            |
| Gerald Theobald   | Tri-City, Buffalo |

PEH

Contributions for the Agricultural Education Magazine. Few Illinois teachers have contributed to our professional magazine. As you read the latest issue, give some thought to contributions you might make to:

- News and Views of the Profession
- Professional and Teaching Aids
- Tips that Work
- Stories in Pictures
- Articles

As the state (Illinois) representative, I will be happy to review your contributions and to suggest any changes needed to make it conform to magazine policy. The themes for the next few months are as follows:

| <u>Month</u> | <u>Theme</u>                                     |
|--------------|--|
| August       | Developing and Utilizing Professional Leadership |
| September    | Teaching High School Classes                     |
| October      | New Horizons for the FFA                         |
| November     | Aiding Young Farmers                             |
| December     | Public Understanding of Vocational Agriculture   |

AHK

VOTEC 449, Independent Study. In the last issue of the Agricultural Education News, the following independent study was omitted from the list :

John H. Beaty, "A Study of the Agricultural Situation and the Agricultural Education Needs in the Martinsville Community."

AIDS, April 1964

JRW



Do you know? Do you understand the new opportunities in vocational education in agriculture resulting from the passage of the Vocational Education Act of 1963? Have you read the Act? Have you considered the implications of the Act for your vocational agriculture program? Have you discussed the Act and its implications with your administrators, the operators of non-farm agricultural-oriented businesses, your agricultural advisory council, and parents in your community?

If you do not have a copy of the Act, write for a copy and study it. The purpose of this Act is to maintain, extend, and improve existing programs of vocational education and to develop new programs of vocational education. A significant change was made in the George-Barden and Smith-Hughes Acts. The Vocational Education Act of 1963 states: "Any amounts allotted (or apportioned) under such titles, Act, or Acts for agriculture may be used for vocational education in any occupation involving knowledge and skills in agricultural subjects, whether or not such occupation involves work of the farm or of the farm home. . . ."

If you cannot answer "yes" to all of the questions presented concerning the Vocational Education Act of 1963, you should seriously consider attending the 1964 summer session at the University of Illinois. All 1964 agricultural education courses will give major emphasis to determining and implementing the whole new "box" of opportunities now available as a result of the passage of the Vocational Education Act of 1963.

LJP



# SOUTHERN ILLINOIS UNIVERSITY

C A R B O N D A L E

I L L I N O I S

School of Agriculture



Agricultural Industries Department

Four-week summer session. This year there is a four-week summer session, June 22-July 17 after your June conference. Courses available are:

- Plant Industries 407, Fertilizers 3 hours
- Agricultural Industries 450, Advanced Farm Management 4 hours
- Agricultural Industries 581, Seminar 1 hour
- Agricultural Industries 520, Implications of PL88-210 3 hours

Available publications. The following bulletins are available for free distribution. Please send requests to Agricultural Industries Department, Southern Illinois University, Carbondale, Illinois.

- \_\_\_ Publication No. 1, An Egg Marketing Exchange for Southern Illinois: Some Economic Factors Affecting Its Feasibility. 1957
- \_\_\_ No. 2, Christmas Trees as a Farm Crop: A Guide for Southern Illinois Growers. 1957
- \_\_\_ No. 3, Changes in Production of Field Crops. 1958
- \_\_\_ No. 4, Farm Cooperatives in Illinois. 1958 Out of Print
- \_\_\_ No. 5, What Happens to Illinois Vocational Agriculture Graduates? 1959
- \_\_\_ No. 6, Increasing Production and Earnings on Farms with Beef-Cow Herds in the Unglaciated Area of Southern Illinois. 1959
- \_\_\_ No. 7, Improving Illinois Livestock Market News. 1961
- \_\_\_ No. 8, Marketing Firm Ripe Peaches. 1961
- \_\_\_ No. 9, Production Practices and Handling Procedures as Related to Egg Quality. 1962
- \_\_\_ No. 10, Expanding Markets for Illinois Eggs. 1961
- \_\_\_ No. 11, Factors Affecting Employment Opportunities for Out-of-School Farm Boys in Sixteen Southern Illinois Counties. 1962
- \_\_\_ No. 12, Operations and Practices of Illinois Egg Handlers. 1962
- \_\_\_ No. 13, Independent Factors in Small Woodland-Owner Behavior in Illinois. 1962
- \_\_\_ No. 14, Marketing Grain in Southern Illinois. 1963
- \_\_\_ No. 15, Effect of Variability in Moisture Testing of Grains, Oil Content of Soybeans, and Other Quantity Factors on Pricing of Farm Products. 1963
- \_\_\_ No. 16, Agricultural Processing Facilities in Southern Illinois--Factors Affecting Location and Expansion. 1963
- \_\_\_ No. 17, Marketing Southern Illinois Fruits and Vegetables No. 17 Attitude of the Produce Trade and Recent Trends. 1963
- \_\_\_ No. 18, Feeder Pig Dealers and Traders in Selected Counties of Illinois. 1963
- \_\_\_ No. 19, Feeder Pig Marketing and Pricing in Illinois. 1963
- \_\_\_ No. 20, An Analysis of Weekly Unloads of Fresh Fruits and Vegetables in Chicago, May 1959-December 1962; Appendix C, Statistical Tables Showing Weekly Unloads of Fruits and Vegetables, Chicago, 1959-1962. 1963







# I A V A T NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

PCA breakfast at June conference. The Production Credit Association has offered to serve the members of the IAVAT and their wives a free breakfast during the June conference. Plans are to have this breakfast on Thursday morning, June 18.

Exchange-of-Ideas Contest. You are again invited to bring ideas to the June conference for our Exchange-of-Ideas Contest and display at the Vocational Agriculture Service building on Florida Avenue. The contest will be divided into two categories this year: 1) Field and shop aids and 2) classroom aids. Prizes will be awarded in each class. An entry blank is included in this issue of the AIDS. If you send in plans or typed materials before May 15, Vo-Ag Service will duplicate them for free distribution to teachers who visit the display.

IVA well attended. Attendance of IAVAT members at the IVA convention in St. Louis was better than usual this year. Our thanks go to Doc Rice for planning the program and to all members who helped during the convention. Ralston-Purina Company entertained the group for noon luncheon on Friday, February 28.

June conference program for wives. Plans are being made for special entertainment for wives who desire to accompany their husbands to the June conference. A local committee is planning an interesting program, but we need to know about how many plan to attend. Special rooms are available in the dormitories for couples. Please fill in the blank included in this issue of the AIDS if you plan to bring your wife to the conference.

Agricultural Hall of Fame. Construction of First Hall of the Agricultural Hall of Fame is progressing on schedule and should be completed in late August of 1964. First Hall will have nearly 12,000 square feet of usable space. Start of the library, museum, and industrial exhibits are scheduled for the building. Some space will be reserved for meetings and for administrative offices.

The Hall of Fame is located 12 miles west of Kansas City and near Bonner Springs, Kansas. Teachers of vocational agriculture and FFA members are urged to continue their support of this great national project. For additional information please write to: The Agricultural Hall of Fame and National Center, 916 Walnut Street, Kansas City, Missouri. 64106.

Summary of Provisions of the Vocational Education Act of 1963. NOTE: This material was provided from the Washington office of the AVA. Read it carefully as it will have important effects on our program.



The Perkins Act (HR 4955--88th Congress--PL 88-210) authorizes a new permanent program of federal assistance for vocational education amounting to \$60 million for fiscal year 1964; \$118.5 million for fiscal year 1965; \$177.5 million for fiscal year 1966; and \$225 million for subsequent fiscal years.

These funds will be allotted among the states on the basis of two factors: population groups and per capita income.

State Boards for Vocational Education will be the sole agency for administering federal funds allotted to states. The new funds are not earmarked for specific occupational fields. They may be expended for vocational education programs that will prepare people for employment in any occupational field that does not require a baccalaureate degree. Vocational programs may be conducted in comprehensive or specialized high schools, area vocational schools, junior and community colleges, or universities that offer terminal vocational programs.

Section 1 of the Act dealing with the purpose of the law reads as follows:

"It is the purpose of this part to authorize federal grants to states to assist them to maintain, extend, and improve existing programs of vocational education, to develop new programs of vocational education, and to provide part-time employment for youths who need the earnings from such employment to continue their vocational training on a full-time basis, so that persons of all ages in all communities of the state--those in high school, those who have completed or discontinued their formal education and are preparing to enter the labor market, those who have already entered the labor market but need to upgrade their skills or learn new ones, and those with special educational handicaps--will have ready access to vocational training or retraining which is of high quality, which is realistic in the light of actual or anticipated opportunities for gainful employment, and which is suited to their needs, interests, and ability to benefit from such training."

The Act provides that vocational programs be available for persons in high schools, for those out of high school available for full-time study, for persons who are unemployed or underemployed, and for persons who have academic or socio-economic handicaps that prevent them from succeeding in the regular vocational education programs.

Federal funds also may be used for ancillary services to assure quality in all vocational education programs; for example, teacher-training, supervision and administration, research and evaluation of programs.

Ten percent of each year's appropriation will be reserved for grants by the Commissioner of Education for research and demonstration projects in vocational agriculture.

In addition, the Perkins Act provides for an experimental four-year program for residential vocational education schools and payments for student work programs. The Commissioner of Education will determine the amount of the appropriation to be used for each of these purposes. It is understood that one residential vocational school will be initiated for the benefit of residents of the District of Columbia. Under this part of the Act, authorizations are \$30 million for fiscal year 1965; \$50 million for fiscal year 1966; \$35 million for fiscal year 1967; and \$35 million for fiscal year 1968.



Matching of federal funds. The Perkins Act requires that state and local expenditures continue at the current level of support for vocational education but does not require a state to match the new federal funds for program operation in fiscal 1964, except where federal funds are used for construction of vocational facilities.

For subsequent fiscal years, matching on a 50-50 basis is required. In addition, states must assure that federal funds complement but do not replace local and state funds.

Amendments to existing Vocational Education Acts. To assure more flexibility in vocational education programs, the Perkins Act amends the Smith-Hughes and George-Barden Acts to permit the federal funds to be expended in agricultural training programs for occupations related to agriculture for which knowledge and skill of agricultural subjects are involved. In addition to preparation for homemaking, home economics funds will also be directed toward homemaking skills for which there are employment opportunities. Not less than ten percent of home economics funds under provisions of Smith-Hughes and George-Barden Acts must be used for job-oriented training.

Preparatory training is made possible under funds authorized for distributive education, and occupational training for single skilled or semi-skilled jobs is permitted on a part-time basis for less than the traditional nine months per year and less than 30 hours per week.

Area vocational schools. The area technical education program, authorized under the National Defense Education Act of 1958 is made permanent by the Perkins Act with an annual authorization of \$15 million. In addition to extending this authority, the states will be permitted to expend new funds on a 50-50 matching basis for the construction of area vocational school facilities.

Practical nurse training. The Perkins Act makes permanent the practical nurse training programs authorized by Title II of the George-Barden Act. The annual authorization is \$5 million.

#### WHAT IS NEW AND DIFFERENT IN SECTION 16 ?

Arthur has added surveying and motor controls kit units to the Agriculture III course of study this year. David Sistler is also conducting his first adult classes this year. "Farm Electricity" and "Animal Diseases."

Bellflower is going to make a survey of the agriculture related businesses in the community.

Maroa is concentrating on oral reasons as well as placing in livestock judging. Mr. Nicols feels that it makes for better livestock judges since the boys observe the classes more closely.

Tri-Valley recently consolidated school and FFA Chapter just received their official state FFA charter. Don Sargeant is working with a farm placement experience program with a town student from his Agriculture I class. He also has a student working with a grain elevator manager as part of an experience program.

Clinton. Mr. Fry and his son, Jim, flew by jet to the Rose Bowl game and parade. They left Los Angeles early Thursday morning, January 2, and were back with Mr. Fry teaching at 10:30 a. m. He adds: "Wasn't that something? And to think I used to travel by horse and buggy."



Mansfield students are studying "Feeding and Nutrition" in the Agriculture I and II classes. Each student was asked to bring a question from his father about feeding for class discussion. This should be an effective learning device to keep the class practical as well as learning some theoretical material. Don Rogers, the previous instructor, is now in private practice, College of Veterinary Medicine, University of Illinois. Tom Walquist, a recent graduate from Southern, is the new instructor. Best wishes, Tom.

Wapella has six out of eight senior agricultural students going on to school. Three have been accepted at the University of Illinois; two at Southern Illinois University; and one at Illinois State University. One boy will farm; the other is undecided. Charlie adds that the electrical controls kits put out by the Vo-Ag Service and Illinois Power Company are the "berries." More power to Illinois Power and companies like them.

Farmer City has "new" facilities--a far cry from the "old" wooden barracks. Both Gene and the boys are extremely proud of the new building and are working hard to equip it and to make it "home." Farmer City held a purebred boar and gilt sale this year. The boys built their own sale ring, wrote their own publicity, made up their catalog, and then cooperatively sold 55 head of their own project hogs. This involved lots of organization, planning, work, and educational experience for all concerned. Congratulations, Gene!

Monticello is conducting a non-farm agricultural and non-farm non-agricultural job opportunities survey within the unit school district. A total of 69 businesses will be surveyed. There will be 19 interviewers. Help in making this survey was obtained from the Monticello Consulting Committee for Agricultural Education. Jaycees, Chamber of Commerce, Piatt County Extension Service, guidance director, industrial arts instructor, high school principal, agriculture instructor, and Board of Education. It is hoped that we will be more aware of the present technical occupations in the area, employment opportunities, some of the competencies required for occupations identified as well as other pre-requisites of these occupations. Cooperation has been exceptional.

#### SECTION 16 FFA WEEK ACTIVITIES

Arthur FFA members went to church and ate Sunday dinner together at a local restaurant. They also publicized FFA Week by using posters, tent cards, and place mats in local restaurants, and articles in local newspapers.

Bellflower members attended church together on Sunday. Friday was designated as dress-up day for members. The chapter also held a joint FFA meeting with the Bellflower Agricultural Advisory Council. FFA posters and news articles rounded out their activities.

Maroa. On Sunday, February 16, the Maroa Methodist Church held a special FFA service. During FFA Week the Maroa Chapter featured an American heritage program. They held an assembly program on "The American Heritage" with Kenneth Cheatham as the featured speaker. They held a school-wide essay contest on "What America Means to Me" with cash prizes going to the first three essays; placed an exhibit in the school stairway entitled "The American Heritage and Our FFA," surveyed the school and community about their knowledge of our American heritage. They also had a FFA Week road sign.

Tri-Valley. The chapter gave an assembly program before the school, put up a road sign poster, and used other FFA Week posters, stickers, etc.

Wapella had a display and articles in the newspapers.





Clinton. Chapter members had a radio program over WHOW, a school assembly, and a Kiwanis program. To round out their activities they had an exhibit in a local bank and news articles in the local newspapers.

Mansfield members wore white shirts and ties with their FFA jackets on Wednesday, February 19.

Farmer City. The members had displays in the Farmer City business area, high school main hall, and the grade school foyer. The chapter held its annual educational trip from February 16-18 and toured the Purina Research Farm, St. Louis, Missouri. Dress-up day was on Thursday, February 19. Their annual FFA and Parent's Banquet was February 25.

Monticello held an FFA and FFA party on Tuesday, February 18. That same evening two members of the chapter were represented at the Monticello Unit No. 25 Consulting Committee for Agricultural Education meeting to explain some of the FFA Week activities as well as their program of work for the year. On February 19 four of the chapter members taped a ten-minute program for radio. A FFA road side poster, plus smaller posters, tent cards, displays, and newspaper articles were also used to help publicize FFA Week.

--J. Gordon Bidner  
Section 16 Public Relations Director

#### Teacher of Agriculture by Choice, Not by Chance

Note: The following is reprinted from the February issue of the Empire State Vo-Ag teacher and was written by James Rose, a past president of the New York association and presently the teacher of vocational agriculture at Cherry Valley, New York

\* \* \* \*

How many of you ever give a questioning glance at the statement, "I am a teacher of agriculture by choice, not by chance"? This is the opening sentence of the agriculture teacher's Creed. Many times in the past year or so I have thought of this phrase and wondered if it were worth it all.

Why do I say this? After teaching 21 years it seems pretty tough to have to be continually trying to prove that our job is important; to prove to others that we are needed, and to convince them that we still need agriculturally trained people if we are to continue as a leading world power.

Each time I am brought back to reality by the fact that I am not alone in trying to prove that I am a necessary being. Agriculture in general has been doing this for years. Farmers have been fighting for their life for the past ten years and small business has been struggling to keep its head above water in the field of "big enterprise" for some 20 years. What, then, can be done to change this situation?

One thing for certain is that we cannot give up the fight! There is, and always will be, need for teachers of agriculture. I have ceased to be worried any more because I may not be considered necessary in the eyes of some. I have worked to do the best job possible with my students and young farmers and have then let things take their own natural course. The results have been gratifying--outstanding citizens, many farmers, and



many in off-the-farm agricultural occupations. I think sincerely that if a young man starting out in the profession of teaching agriculture strives to prove that his area of teaching is an important part of the entire educational system and lets a lot of idle chatter go in one ear and out the other, he will succeed.

There should be no lack of prospective teachers of agriculture if those closest to the job tell how the good and challenging features of the job overshadow the poor. A job is only as good or poor as one makes it. There is no need for a student to hesitate in deciding whether or not to teach agriculture. If fairly presented to him he, too, will find that in this field there is an opportunity to branch out into several fields of teaching; that he will, in reality, have a teaching field which offers more of a challenge than most other teaching positions.

The future for teaching vocational agriculture lies bright and ready for young men to take up the reins and explore the new fields that have opened in agriculture. Undoubtedly there will be changes. Every day in our classes we try to teach boys how to plan changes and to be more efficient but are we always efficient in the job we are doing? Our departments and pattern of teaching must also keep pace with changes.

The combining of two or more departments in some instances is necessary; there is need for keeping "brushed up" on new developments; these are some ways of keeping vocational agriculture effective and efficient. I think that we must separate the real potentials for entering farming from those who wish to enter related agricultural pursuits. Then we can teach more efficiently and can compete for students more successfully with other teaching fields; no longer will an agriculture teacher get the feeling that he is fighting for his job and his very existence.

We have continually modernizing agriculture and it is moving faster now. We will all reap a greater satisfaction in our jobs as a result--so let's plan ahead, explore the future in our field, make suggestions that will lead to greater security and above all, let's get away from this fear of having to "justify" our daily existence. Let's take the last part of the FFA Creed and go out and exert an influence that will stand solid for our part in the task of making agriculture an accepted reality by all.

Legislation. The following is reprinted from a letter under date of February 14, 1964, from M. D. Mobley, Executive Secretary, AVA.

Vocational educators everywhere are proud of the great legislative victory of 1963--the approval, by an overwhelming majority, of the "Vocational Education Act of 1963,"--the Perkins Act--known officially as Public Law 88-120. This was the greatest legislative victory for vocational education ever won since the passage of the Smith-Hughes Act in 1917.

The new act will be of little value until funds are appropriated for implementing its provisions. In fact, the new law is only a "hunting license" for money.

The President of the United States recommended in his supplemental budget \$60 million for vocational education for the fiscal year ending June 30, 1964, the present fiscal year. He also recommended the full amounts (except for fishery trades) authorized in all existing vocational education acts for the fiscal year ending June 30, 1965. This budget for next year calls for a total of \$205,457,000 for vocational education--as compared to \$57 million appropriated for fiscal 1964.

Both the supplemental budget (for fiscal year ending June 30, 1964) and the budget for the coming year (ending June 30, 1965) are now before Congress and under consideration by



the Subcommittee of the House Appropriations Committee composed of the following members of the House: John E. Fogarty (D), Rhode Island (Chairman); Winfield K. Denton (D), Indiana; John Lisinski (D), Michigan; Melvin R. Laird (R), Wisconsin; and Robert H. Michel (R), Illinois.

We are greatly concerned that the supplemental appropriation, if approved at all, will be approved too late to be used effectively and prudently. In my carefully considered opinion--after contacts with many--some in high places--the \$60 million or any part of it will not be approved unless there is a tremendous groundswell from every state in the nation urging that action be taken at once.



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ENTRY BLANK  
IVAT EXCHANGE-OF-IDEAS CONTEST

I propose to display the following item(s) in the IAVAT Exchange-of-Ideas Contest at the June conference.

Class 1--Field and Shop Aids

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Class 2--Classroom Aids

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_

School \_\_\_\_\_

Return this entry blank to Vocational Agriculture Service, 434 Mumford Hall, Urbana, before May 15, 1964. Include plans or copy if you wish to have them duplicated for distribution.

Wives at June conference

I plan to bring my wife to the June conference to participate in the special programs being planned by the local committee.

She will arrive \_\_\_\_\_

She will stay until \_\_\_\_\_

Signed \_\_\_\_\_

School \_\_\_\_\_

Return to Vocational Agriculture Service, 434 Mumford Hall, Urbana, before June 1, 1964.





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To Vocational Agriculture Service  
 University of Illinois  
 434 Mumford Hall  
 Urbana, Illinois 61803

Please send the following items:

| <u>Number</u>   | <u>Item</u>   | <u>Price each</u> | <u>Total amount</u> |
|---|---|-------------------|---------------------|
| _____   | Rapid Raters (approximate)  | \$3.00*           | _____               |
| _____   | Ag-Science Demonstration packet on use of pre-emergence herbicide | .20†              | _____               |
| _____   | Slidefilm 380, Insurance in the Farm Business                     |                   |                     |
|   | Out-of-state sale price   | 3.00†             | _____               |
|   | Price to Illinois teachers  | .25 †             | _____               |
| <u>Rapid Rater Materials (Packages of 20 sets of questions)</u> |   |                   |                     |
| _____   | 102 Caring for the Sheep Breeding Flock                           | .20*              | _____               |
| _____   | 103 Artificial Insemination of Livestock                          | .20*              | _____               |
| _____   | 104 Cattle Grubs  | .20*              | _____               |
| _____   | 105 Feeds and Feeding Swine, Part 1                               | .20*              | _____               |
| _____   | 106 Feeds and Feeding Swine, Part 2                               | .20*              | _____               |
| _____   | 208 Choosing the Specific Crops to Grow, Part 1                   | .20*              | _____               |
| _____   | 209 Choosing the Specific Crops to Grow, Part 2                   | .20*              | _____               |
| _____   | 210 Making Estimates of Crop Production and Its Value             | .20*              | _____               |
| _____   | 211 Record Keeping on the Farm, Part 1                            | .20*              | _____               |
| _____   | 212 Record Keeping on the Farm, Part 2                            | .20*              | _____               |
| _____   | 213 Balancing the Labor Supply and Farm Business                  | .20*              | _____               |
| _____   | 214 Simplifying Farm Work   | .20*              | _____               |
| _____   | 215 Setting Up Farm Records to Provide for Analysis               | .20*              | _____               |
| _____   | 405 Recommended Potassium Fertilizers                             | .20*              | _____               |
| _____   | 406 Handling and Using Agricultural Chemicals                     | .20*              | _____               |
| _____   | 407 Growing and Selling Christmas Trees                           | .20*              | _____               |

\* Price does not include postage; † Price does include postage

Name \_\_\_\_\_ School \_\_\_\_\_



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| Illinois Fertilizer Conference 1964                   | 2                      |
| Insurance in the Farm Business                        | 3                      |
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| New Rapid Rater Materials Available                   | 3                      |
| Plans for a Lightweight Portable Plastic Hotbed       | 2                      |
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| Soybean Varieties in Illinois for 1964                | 2                      |
| Weed Slides   | 3                      |

AIDS, April 1964



PRICE LIST OF FEEDS\*

April 20, 1964

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| <u>Kind of feed</u>                                 | <u>Cost per bu. , cwt. ,<br/>or tons in dollars</u> |
|---|---|
| Corn, shelled, bu. . . . .                          | 1.12  |
| Corn, ground shelled, bu. . . . .                   | 1.22  |
| Corn, ground ear, bu. . . . .                       | 1.22  |
| Oats, bu. . . . .                                   | .62   |
| Oats, ground, bu. . . . .                           | .72   |
| Barley, (feed) bu. . . . .                          | 1.08  |
| Barley, ground or rolled, bu. . . . .               | 1.18  |
| Sorghum, grain, cwt. . . . .                        | 1.94  |
| Sorghum, grain, cracked, cwt. . . . .               | 2.04  |
| Garbage and kitchen waste, ton . . . . .            | 8.50  |
| Skim and buttermilk, cwt. . . . .                   | 1.50  |
| Whole milk, Grade B, cwt. . . . .                   | 3.00  |
| Corn silage, ton . . . . .                          | 12.00   |
| Sorghum silage, ton . . . . .                       | 11.00   |
| Grass silage, ton                                   |   |
| No preservative added . . . . .                     | 8.00  |
| Preserved with 70-100 lb. molasses . . . . .        | 11.00   |
| Preserved with 150-200 lb. ground corn . . . . .    | 13.00   |
| Clover and mixed hay ) All hay prices are . . . . . | 25.00   |
| Alfalfa ) for baled hay . . . . .                   | 25.00   |
| Timothy hay ) Loose hay \$5 less per ton . . . . .  | 20.00   |
| Oat straw . . . . .                                 | 18.00   |

Prepared by W. W. Albert, Department of Animal Science, University of Illinois, Urbana, Illinois

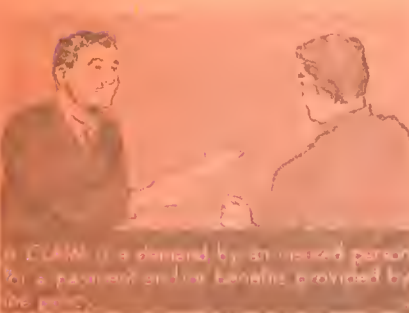
**VOCATIONAL AGRICULTURE SERVICE**

University of Illinois · College of Agriculture

434 MUMFORD HALL · URBANA, ILLINOIS

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SSHL



## EDUCATIONAL FILM STRIP

# Now Ready!

## Insurance in the Farm Business

"Insurance in the Farm Business" is a new film strip prepared and supplied by the Country Companies, Country Life Insurance Company and Country Mutual Insurance Company, Public Relations Department.



The film shows the need for insurance in the farm business. The subject is defined in a very simple manner and the principles are easily understood. The explanations for specific lines help the student to see how insurance fits into the farm picture. This is a subject that needs explanation and teaching since it is so important in our economy today.



**ORDER YOUR COPY NOW**



VOCATIONAL AGRICULTURE SERVICE  
UNIVERSITY OF ILLINOIS  
434 MUMFORD HALL  
URBANA, ILLINOIS





TO: Vocational Agriculture Service  
434 Mumford Hall  
University of Illinois  
Urbana, Illinois

Agricultural Releases for 1964-65 <sup>1/</sup>

I wish to order:

Advance Order for Slidefilms 1964-65 <sup>2/</sup>

Number of Sets \_\_\_\_\_ New Subject Matter Units to be  
released 1964-65 <sup>3/</sup>

Send items to:

---

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Charges for items should be billed to:

---

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\_\_\_\_\_  
Signature

<sup>1/</sup> Agricultural Releases

- a. Agricultural Releases will include multiliths, mimeographs, and printed releases primarily from the College of Agriculture that Vocational Agriculture Service can obtain and that seem to be of concern to teachers.
- b. Agricultural Releases will be issued monthly from October to May, inclusive.
- c. The subscription charge for 1964-65 Agricultural Releases will be determined by the costs of releases to Va-Ag Service, but will not exceed \$15.00 plus postage.
- d. Charges for Agricultural Releases will be accumulated and a statement sent after the last (May) issue.
- e. Deadline date for accepting Agricultural Release orders is October 1, 1964.

<sup>2/</sup> Advance Orders for Slidefilms

- a. This is an order for a print of each slidefilm prepared and released by Va-Ag Service during the school year 1964-65.
- b. Advance orders for slidefilms will be allowed a 30% discount from the regular price of the films.
- c. Total cost of discounted prints sent in 1964-65 will not exceed \$25.00, plus postage.
- d. Billing for slidefilms sent on advanced order will be deferred until after the last print has been sent.
- e. The deadline date for accepting advanced orders for slidefilms is October 1, 1964.

- <sup>3/</sup>
- a. A set of subject-matter units on advance order consists of one copy of each unit released by Va-Ag Service during the 1964-65 school year.
  - b. The charge for advance order units will be 2/3¢ per page but the total cost per set will not exceed \$1.25, plus postage.
  - c. Billing for advance order units will be deferred until all shipments have been made.
  - d. The deadline date for accepting advance orders for units is October 1, 1964.



630.7305

ILL

Copy 2

# VO-AG AIDS

U.S. DEPARTMENT OF AGRICULTURE

MAY 11 1964

VOLUME 22, NUMBER 10

MAY 1964

Issued jointly by  
Vocational Agriculture Service, College of Agriculture  
and  
Agricultural Education Division, College of Education  
University of Illinois  
in Cooperation with  
Illinois State Board of Vocational Education



# VO-AG SERVICE

## Announcements & Notes

AGRICULTURAL RELEASES FOR 1964-65. The last mailing of Agricultural Releases for 1963-64, May, will reach you in a few days. In that mailing a form has been included for those wishing to order 1964-65 releases. Your subscription to Agricultural Releases does not continue from year to year; you must reorder each year if you wish to continue receiving the releases.

A copy of the order form is also included with this issue of the AIDS. The form also provides space for advance orders of new units and new slidefilms for 1964-65. Please note that the deadline for Agricultural Release subscriptions and advance orders is OCTOBER 1, 1964.

Bulletins and circulars from the College of Agriculture. Three circulars have been released since the last issue of the AIDS. They are: Circular 880, A Simple Rigid Frame Greenhouse for Home Gardeners; Circular 882, Illinois Vegetable Garden Guide; and Circular 884, Growing Vegetable Transplants. A single copy of each was sent to Agricultural Release subscribers with the May shipment. Prices of these publications for distribution in quantities out-of-state are:

Circular 880 -- 5¢

Circular 882 -- 15¢

Circular 884 -- 10¢

JWM

Data sheets on plywood use. Five agricultural field services data sheets on the use of plywood were included in May Agricultural Releases. These were furnished by Mr. W. L. Griebeler, Manager, Agricultural Field Service Department, Douglas Plywood Association, Tacoma, Washington. Their titles are:

Plywood Floors for Farm Buildings  
Plywood Walls for Farm Buildings  
Plywood Ceilings for Farm Buildings  
Plywood Roofs for Farm Buildings  
Plywood Doors for Farm Buildings



These data sheets supplement the basic packet "Facts About Fir Plywood for Vo-Ag Teachers" which was announced last year. If you did not get the original packet and are interested, you may write directly to Mr. Griebeler.

JWM

How to Build a Trailer-Loading Chute. This 14-page booklet contains plans, pictures, and directions for building a trailer-loading chute. It was developed by Dr. Curtis Weston, Department of Agricultural Education, University of Missouri, and a group of Missouri Vo-Ag teachers. A copy of this publication was sent in May Agricultural Releases. We have a few additional copies that are available at 25 cents each, or they can be ordered directly from the Department of Agricultural Education at the University of Missouri, Columbia.

JWM

Aids for instruction in dairying. According to a letter received from Mr. Herb Kinnear of Babson Bros., Research, Development and Educational Service, a number of free aids are available to Illinois teachers on dairying. A sheet inserted in this issue of the AIDS going to Illinois schools describes a number of films that may be obtained. In addition, resource persons are available to meet with adult classes, or other groups to discuss dairying problems.

If you are interested you may contact Mr. Kinnear at 2843 West 19th Street, Chicago, Illinois, 60623.

JWM

One-day course in surveying. A course in surveying to qualify teachers to use the loan kit of surveying equipment is scheduled for May 16, 1964, at the Agricultural Engineering Building on the University of Illinois campus. This course will begin at 8:30 a.m. and be completed by 4:30 p.m. Teachers planning to attend should notify Vocational Agriculture Service before May 13, 1964.

RFE

---

I wish to enroll in the one-day course on Farm Surveying to be held at Urbana on Saturday May 16, to qualify me to use the loan kit of surveying equipment

Teacher \_\_\_\_\_

School \_\_\_\_\_





Slidefilm 438, Using the Level in Farm Surveying. This single-frame, black and white slidefilm of 53 frames was sent out to advanced order subscribers on April 27.

This slidefilm is to provide instruction in the proper procedures to follow when using the hand level, tripod level, and target rod. It describes how to determine the percent of slope, and how to stake out contours with the hand level. A step-by-step procedure is outlined for setting up the tripod level. Instructions are given on focusing and caring for the level. Suggestions are given to help the rodman improve the accuracy of surveying work and information is included on how to read the target rod. A suggested set of hand signals are given. The slidefilm is priced at \$1.00, plus postage.

RFE

Slidefilm 703-64, Collecting and Preparing Samples for Testing. Prints of this slidefilm have not been sent to schools on the advance order list because it contained only minor revisions of the previous slidefilm. It is in black and white, has 34 frames, and is available now for open sale for 76 cents, plus postage. The slidefilm is listed on the tear sheet for the convenience of those who may wish to order.

RLC

Agricultural-Science Demonstrations No. 2 and 3. Instructions for demonstrating the selectivity and the effect of 2,4-D on weed growth were included in the May Agricultural Releases. We are indebted to the Guth Chemical Co., Chicago, for supplying the Lithate "DSP" 2,4-D powder. Packets of material needed for these demonstrations may be purchased from Vocational Agriculture Service for 20 cents, postage included.

Demonstration No. 2 contains corn kernels, weed seeds (pigweed, tomato, and millet), a packet of Lithate "DSP" 2,4-D powder, one sign--treated with 2,4-D and the instructions. This demonstration will show the effect of a post-emergence herbicide on weed growth.

Demonstration No. 3 contains one dosage-unit package of Lithate "DSP" 2,4-D, and the instructions. This demonstration will show the effect of 2,4-D on broad-leaved plants in lawns. Demonstration plots could be staked out on the high school lawn. One dosage-unit package should treat an area 1,000 square feet in size.

These items are included on the tear sheet for the convenience of those who may wish to order.

RLC

Seed treatment demonstration kit provides a means whereby the benefits of seed treating can be visually demonstrated. The kit includes material for six or more demonstrations and contains the following items:

24 poly bags (12 marked, "Panogen Treated" and 12 marked "untreated");  
48 paper towels; one poly bag containing black top soil; one package rubber bands; one container of treated seed; one container of untreated seed; one dropper bottle of Panogen 15 (diluted); one paper cup for measuring one fluid ounce of water; and the instruction sheets.



Teachers may obtain this kit without charge by writing to Mr. James Greer, Morton Chemical Company, 110 North Wacker Drive, Chicago, 60606. Since these kits are quite expensive, there is a limit of one kit to a school.

RLC

Slidefilm 704-63, Using the pH Meter in Testing Soils for Acidity. Prints of this new slidefilm were not sent to schools on the advance order list because of the limited number of pH meters in use at the high schools. This slidefilm is black and white, has 44 frames, and is available now for open sale for 90 cents, plus postage. It is listed on the tear sheet.

RLC

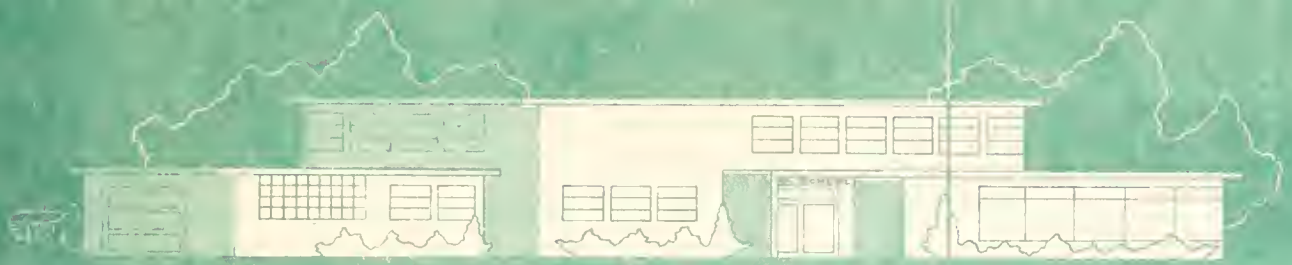
Artificial Insemination in Swine. This is the title of a new 16 mm. color movie that has just been released by the Extension Editorial Office. It is a sound film, ten minutes in length, and is designed for swine producers who are interested in artificial insemination. A sheet describing this film is included in May Agricultural Releases. This film can be obtained on loan from Audio-Visual Aids Service, Division of University Extension, 6051 East Green Street, Champaign, for a nominal service charge.

JWM

Purebred Ram and Ewe Sale. Dr. U. S. Garrigus of the Department of Animal Science reports that the Illinois Purebred Sheep Breeder's Association is again holding a purebred ram and ewe sale. The sale will be on June 15 in the Stock Pavilion at Urbana. The sifting will be at 9:30 a. m. CDT and the sale at 1:00 p. m. This is an opportunity to compare a variety of breeders and of breeds in one location at one time. All interested are cordially invited to attend.

USG - JWM





## AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Agricultural Education Division Moves. The Agricultural Education Division has moved from 103 Gregory Hall to the New College of Education Building. Our offices are on the third floor and the agricultural education laboratory, seminar, and workroom are on the ground floor. We believe that we now have excellent physical facilities that will help us extend and improve our services to teachers. The building is air conditioned, and we will have almost ideal physical facilities in our workshop and library room for summer school students.

Come to the 1964 summer school and help us "break in" these new facilities! If you cannot come to summer school, visit us the next time you are on campus. You can locate us as follows:

|                                   | <u>Room<br/>number</u> | <u>Telephone<br/>number</u> |
|-----------------------------------|------------------------|-----------------------------|
| Dr. Paul Hemp                     | 358                    | 333-3274                    |
| Dr. A. H. Krebs                   | 356                    | 333-3165                    |
| Dr. Lloyd J. Phipps               | 357A                   | 333-0807                    |
| Dr. Gerald Fuller                 | 361                    | 333-3277                    |
| Dr. Robert Warmbrod               | 359                    | 333-3275                    |
| Graduate assistants               | 357                    | 333-3166                    |
| Graduate assistants               | 353                    | 333-3037                    |
| Graduate assistants               | 364                    | 333-3478                    |
| Agricultural Education Laboratory | 28                     |                             |
| Agricultural Education Seminar    | 33                     |                             |
| Agricultural Education Workshop   | 27                     | LJP                         |

1964 Summer Program in Agricultural Education. The Vocational Education Act of 1963 is leading to rapid and sweeping changes in agricultural education in Illinois.



Teachers cannot afford to wait even one year in implementing the provisions of the ACT applicable to their school and community. A new state plan is being written, new policies are being developed, vocational agriculture courses are being revised, new courses are being developed, and new and different types of supervised agricultural experience programs are being formulated--these are some innovations in vocational agriculture that are being studied and discussed in Illinois. Teachers should make plans now to attend the 1964 summer program in agricultural education at the University of Illinois. The implications of the Vocational Education Act of 1963 will be considered in each agricultural education course. Courses which will be offered are:

- VOTEC 456      Problems and Trends in Agricultural Education (1 unit)--Hemp, Krebs, Phipps, Warmbrod (Limited to persons with Master's degree)
- VOTEC 471      Policy and Policy-Making for Public School Education in Agriculture ( $\frac{1}{2}$  unit)--Warmbrod
- VOTEC 473      Vocational Education in Agriculture for Adults ( $\frac{1}{2}$  unit)--Hemp
- VOTEC 476      Guidance in Agricultural Education--( $\frac{1}{2}$  unit)--Krebs
- SE ED 448      Adult Education ( $\frac{1}{2}$  or 1 unit)--Phipps (Limited to persons who have taken 471, 473, and 476, or consent of instructor)

JRW

Placement Report. Eighteen vacancies in vocational agriculture departments have been listed with the University of Illinois Teacher Placement Office. All but two of these positions are in high schools located north of a line extending through Springfield and Decatur.

Fourteen inexperienced teachers qualified at the University of Illinois are seeking employment for the 1964-65 school year. Thirty-five experienced teachers have activated their credentials; however, all but three of these men are presently teaching in Illinois.

PEH

VOTEC 477, Field Studies in Agricultural Education. Notices have been sent to all teachers in district II (Sections 6, 7, 8, 9, and 10) informing them that VOTEC 477 will be available to them this fall.

Teachers in neighboring sections may also wish to enroll. If so, please complete the form at the end of this item and return it to the address indicated.

VOTEC 477 is open to all experienced teachers as well as to farm advisers, administrators, counselors, and other agricultural educators. The course content will be based on the problems of class members. Topics such as the following are often suggested:

1. Re-designing present agricultural courses to adjust to the Vocational Education Act of 1963.
2. Planning new courses needed to provide for agricultural education in keeping with the Vocational Education Act,





3. Studying agricultural occupations in the community.
4. Re-designing adult education programs to meet the needs of farmers and nonfarm agricultural workers.
5. Selecting and using adult education techniques to fit special purposes in adult education.
6. Planning and supervising farming programs and other kinds of agricultural experience programs.
7. Informing administrators, counselors, students and the community about the new opportunities in agricultural education.

VOTEC 477 is a one-half unit course. Two sections of the course are planned to reduce travel distances for persons enrolled. The classes will meet eight times during the first half of the fall semester from 5:00 p.m. to 9:00 p.m. Each enrollee will have the opportunity to make a field study dealing with the problem of most interest to him in his community.

If you have not received a notice and are interested, please complete the following form and mail it to the address indicated.

-----

To A. H. Krebs  
University of Illinois  
356 College of Education  
Urbana, Illinois

I plan to enroll in VOTEC 477. I prefer to meet on the night indicated:

Tuesday \_\_\_\_\_

Wednesday \_\_\_\_\_

Signed \_\_\_\_\_ Address \_\_\_\_\_

AHK





# I A V A T NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

REMINDER!!!!. If you have not sent in an entry for the Exchange-Of-Ideas Contest, use the entry blank in this issue of the AIDS. Also, let us know if your wife is planning to come with you to the Conference.

## NOTICE!! PROPOSED IAVAT CONSTITUTION AMENDMENT

At the meeting of all the sectional chairmen and the executive committee held in Urbana last June, it was decided that this proposal be brought before the delegate body of the IAVAT. According to our constitution, this information must be in writing at least 30 days prior to the date of our meeting in June 1964.

This revision is to ARTICLE VI; Election of Officers

Section 3. Directors shall be elected by the members present at the annual meeting and shall serve for a period of two years. Directors shall be elected from even-numbered Divisions in even-numbered years and from odd-numbered Divisions in odd-numbered years.

The proposed amendment would be to strike out the word two in the first sentence and insert the word three.

Section 3. As amended would read:

Directors shall be elected by the members present at the annual meeting and shall serve for a period of three years. Directors shall be elected from even-numbered Divisions in even-numbered years and from odd-numbered Divisions in odd-numbered years.

Meeting planned for public relations officers. A meeting is being planned for the sectional public relations officers during the June Conference. I thought you might like to know about this meeting prior to the conference. The purpose of this meeting will be to acquaint both the hold-over officers and the new officers with methods that might be used to promote vocational education and especially vocational agriculture education.

Would you like to teach without the AVA? Many of us are far removed from the headquarters of our national association, but let us still remember that they are in



Washington, D. C., working for us every day. Why do I mention this? Well, effective July 1, 1964, our AVA dues will be raised from \$5.00 to \$10.00. This increase was voted on by the delegates at the AVA Convention held in Atlantic City in December 1963. This will make our package dues for our professional organizations total \$19.50, including the Agricultural Education Magazine. This is the first raise in AVA dues since 1955. Operating costs of all businesses have been constantly rising and we should not expect a quality program for the future financed by the fiscal policy of the past.

I believe all of us want a continuing, expanding program of research, public relations, and legislation favorable to vocational education. Therefore, we must be willing to support our AVA with our financial assistance, too.

If our schools, businesses, or families were operating in 1964 on the incomes that we received in 1955, I am sure they would not be operating as efficiently or effectively as they are now. This certainly can and should apply to the operation of our professional organizations.

Item of interest. Max Tessier, Principal of the Roanoke-Benson Junior High School, has children in his school of two agricultural teachers and two former teachers of vocational agriculture. Some of you will remember that Max is a former teacher of vocational agriculture.

The following are some quotes from an article written by Carlus R. Owen and Romaine Smith that appeared in the April 1964 issue of The Progressive Farmer. Reprinted from April issue of News and Views of NVATA.

Vo-ag training is invaluable to me in manufacture of farm machinery. It has sharpened my knowledge of farmers' needs, helped me sell farm equipment, because I know machinery can make farming more profitable. --Hoyt Hardee

I think vo-ag is a necessity for rural youth: it is as important today as ever, maybe more so. Young men in agricultural careers who had vo-ag in high school are generally way out in front of those who didn't have it. Training received, especially in leadership, helps develop a well-rounded individual as no other training can. What success has come my way I attribute largely to my training in vo-ag. --Billy Paul Russell, Camp County, Texas, outstanding young dairyman.

Agriculture is inseparably related to the sciences--chemistry, mathematics, biology. Certainly, agriculture is one subject in high school which can be used to stimulate and develop real scholarship. Modern agriculture (production, processing, and related occupations) provides more than one-third of all job opportunities in the United States. --Dr. N. D. Peack, Dean, College of Agriculture, University of Tennessee.

Vo-ag did much for me and can help others. With today's facilities good training can be given young people going into jobs other than farming. I definitely feel that vo-ag has a place in high schools. It should stay in the curriculum and be expanded. --Davis Henry, Montgomery County, Alabama, dairy farmer.



Farming is big business and a farmer needs more than high school training. Boys planning on farming are going to college for more education. I learned much in high school vo-ag, but went on to college to get more training. Vo-ag should be kept in public schools, but adjusted to also train boys who will never farm. --Ronald Rogers, Jr., Autauga County Alabama, swine producer.

I got more vocational guidance, achievement motivation, and character development through my FFA experiences than from any other phase of high school work. If agriculture became an extinct vocation, I would still want my boy to have the benefits of FFA as I knew it. --H. Harold Prichard, proprietor, Prichard Farm Supply, Booneville, Mississippi, student of vo-ag in Booneville High School, 1937-1940.

Section 11 news. During the past few weeks, the Hancock County FFA, Farm Bureau Acquaintance Program has been in operation. The program was completed Monday night, March 16, with a banquet at Flora Thums restaurant for the senior FFA members and their vo-ag instructors. During the preceding five weeks, one class period per week of instruction was given these boys by representatives of the different affiliated companies of the Illinois Agricultural Association.

On March 31 the officers and foundation award winners of Section 11 were honored at a banquet held at the Bowen High School.

--Mervin L. Mixer  
Section 11 Reporter

Section 15 news. Section 15 agricultural teachers recently held the third in a series of four meetings designed to become better acquainted and generally to discuss the problems of the group. On two of the four occasions the children and wives are invited and wives only are invited for the other two group meetings. This is a very satisfactory way to get better acquainted with our fellow teachers.

One of the new contests in Section 15 is the Farm Mechanics Skills contest. This program is three years old, but each year attempts are made to improve it. The contest, though coming at a bad time, has been a challenge to those boys who shine in farm mechanics.

The contest tests skills in four areas: carpentry, electricity, tractor operation, and welding. Rafter cutting, materials identification, position welding, diagramming, and wiring exercises, and precision tractor driving are also included.

Dr. R. F. Espenschied, Vocational Agriculture Service, attended the planning meeting this year and offered suggestions for our contest.

We are interested in contests other sections are having and are willing to give our information to assist anyone interested.

--Victor Funk  
Section 15  
Public Relations Officer





-----  
ENTRY BLANK  
IVAT EXCHANGE-OF-IDEAS CONTEST

I propose to display the following items(s) in the IAVAT Exchange-of-Ideas Contest at the June Conference.

Class 1--Field and Shop Aids

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Class 2--Classroom Aids

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_

School \_\_\_\_\_

Return this entry blank to Vocational Agriculture Service, 434 Mumford Hall, Urbana, before May 15, 1964. Include plans or copy if you wish to have them duplicated for distribution.

Wives at June Conference

I plan to bring my wife to the June Conference to participate in the special programs being planned by the local committee.

She will arrive \_\_\_\_\_

She will stay until \_\_\_\_\_

Signed \_\_\_\_\_

School \_\_\_\_\_

Return to Vocational Agriculture Service, 434 Mumford Hall, Urbana, before June 1, 1964



-----  
To Vocational Agriculture Service  
University of Illinois  
434 Mumford Hall  
Urbana, Illinois 61803

Please send the following items:

| <u>Number</u> | <u>Item</u>  | <u>Price<br/>each</u> | <u>Total<br/>amount</u> |
|---------------|--|-----------------------|-------------------------|
| _____         | Agricultural-Science Demonstration No. 2 on use of<br>post-emergence herbicide     | .20¢ *                | _____                   |
| _____         | Agricultural-Science Demonstration No. 3 on broad-<br>leaved weed control in lawns | .20¢ *                | _____                   |
| _____         | Slidefilm 703-64, Collecting and Preparing Samples<br>for Testing                  | .79¢ †                | _____                   |
| _____         | Slidefilm 704-63, Using the pH Meter in Testing<br>Soils for Acidity               | .90¢ †                | _____                   |

\* includes postage

† plus postage

\_\_\_\_\_  
Name

\_\_\_\_\_  
School



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| Slidefilm 704-63, Using the pH Meter in Testing Soils for Acidity . . . . . | 4                      |

AIDS, May 1964



PRICE LIST OF FEEDS\*

April 20, 1964

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

| <u>Kind of feed</u>                              | <u>Cost per bu., cwt.<br/>or tons in dollars</u> |
|--|--|
| Corn, shelled, bu. . . . .                       | 1.12   |
| Corn, ground shelled, bu. . . . .                | 1.23   |
| Corn, ground ear, bu. . . . .                    | 1.23   |
| Oats, bu. . . . .                                | 0.58   |
| Oats, ground, bu. . . . .                        | 0.68   |
| Barley, (feed) bu. . . . .                       | 1.08   |
| Barley, ground or rolled, bu. . . . .            | 1.18   |
| Sorghum, grain, cwt. . . . .                     | 1.96   |
| Sorghum, grain, cracked, cwt. . . . .            | 2.06   |
| Garbage and kitchen waste, ton . . . . .         | 8.50   |
| Skim and buttermilk, cwt. . . . .                | 1.50   |
| Whole milk, Grade B, cwt. . . . .                | 3.00   |
| Corn silage, ton . . . . .                       | 12.00  |
| Sorghum silage, ton . . . . .                    | 11.00  |
| Grass silage, ton                                |  |
| No preservative added . . . . .                  | 8.00   |
| Preserved with 70-100 lb. molasses . . . . .     | 11.00  |
| Preserved with 150-200 lb. ground corn . . . . . | 13.00  |
| Clover and mixed hay . . . . .                   | 25.00  |
| Alfalfa . . . . .                                | 25.00  |
| Timothy hay . . . . .                            | 20.00  |
| Oat straw . . . . .                              | 18.00  |

\* Prepared by W.W. Albert, Department of Animal Science, University of Illinois, Urbana, Illinois

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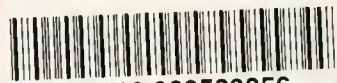








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