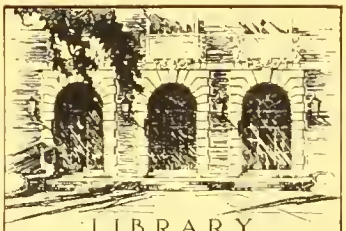

VO-AG AIDS

Volume 17, Number 1

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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

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POLICY OF THE VO-AG AIDS

The purpose of the AIDS is to give teachers information that we think might be helpful to them. The AIDS does not carry personal news items or indoctrinating articles of any kind. Both may have a place in the vocational agriculture program, but we do not consider that the AIDS is the medium through which to reach teachers with such articles. It is our aim to limit the information to facts rather than opinions. For that reason we refrain from drawing conclusions to the effect that certain items "should be of interest to all vocational agriculture teachers," etc.

The fact that an item is included in the AIDS does not necessarily mean that it is endorsed by Vocational Agriculture Service or Agricultural Education or both. It simply means that we think enough teachers might be interested in knowing about it to justify including the information

VO-AG SERVICE

Announcements & Notes

SPECIAL NOTICE

The first issue of the AIDS for each school year (August) is the nearest approach to a catalog of anything that we issue. Further, in this issue, we carry information regarding policies affecting vocational agriculture teachers. Consequently, you may find it advisable to file this copy. M.H.

Special Notice to Out-of-State Teachers. Vocational Agriculture Service is glad to serve you as well as our own teachers. We do, however, wish to call your attention to the fact that on some items departments make a slightly different price to out-of-state residents. For example, "Planning the Farm Business" is 25 cents a copy to out-of-state residents regardless of number of copies ordered. It is 25 cents a copy to Illinois schools unless five or more are ordered, in which case the charge is 20 cents.

It is possible that other departments may from time to time place a small additional charge on items requested by out-of-state persons. When we announce such items in the AIDS, we will try to call attention to these differences. If you are an out-of-state reader and are interested in some item that is mentioned in the AIDS and the announcement does not state whether it is available out of state, we suggest that you contact us. M.H.

Calendar of Events. Copies of the Calendar of Events for the months of September 1958 through August 1959 have already been distributed to Agricultural Release subscribers for 1957-58. Copies were also distributed at the time of the Conference. At that time our supply was virtually exhausted. Since we continue to receive requests and since it is so early in the year for which the calendars were designed, we have decided to re-run the material. Consequently, copies will again be available and may be secured from Vocational Agriculture Service at 15 cents, f.o.b. Urbana, Illinois.* M.H.

Blueprints for Bolt Racks, Tool Cabinets, and Revolving Device. Blueprints are available for each of these three items. They are 20 cents each or 50 cents for the three if ordered at the same time. All prices are f.o.b. Urbana, Illinois.* M.H.

Boxes of Filing Materials and Supplies. Boxes of filing supplies are available to anyone for $5.00 each, f.o.b. Urbana, Illinois.* Extra cards will be 25 cents per hundred, f.o.b. Urbana, regardless of type or color. Distribution of filing materials on a free basis has been discontinued. M.H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Index of Plans (Sets 1 and 2). Each set consists of 100 4 x 6 inch cards. The cards are not intended to replace the plans referred to, but are expected to serve only as an index or reference to such plans. Each card contains an illustration of the item, the source, the number of the plan, the charge, and a brief description. Two sets have been completed to date. There may be several cards regarding the same kind of item. For example, several hog feeders may be included, but not two of the same plan. Those ordering may wish to file the cards under subject-matter headings. Sets are $1.00 each ($2.00 for the two sets), f.o.b. Urbana.* M.H.

Land-Use Selection Cards. Vocational Agriculture Service has a supply of Land-Use Selection Cards similar to those distributed last year. These are 5-1/2 x 8 inches, printed on both sides. The information on them is based on the new Illinois Circular 758, "Understanding Soils." Packages of 25 are 50 cents, f.o.b. Urbana, Illinois.* M.H.

Illinois Scoring System Device. Printed copies of the device for scoring placings according to the Illinois Scoring System have been distributed to Illinois departments of vocational agriculture on numerous occasions. Extra copie have been made available on a charge basis since the first free distribution. Whe Illinois teachers request no more than three or four copies with other judging sup plies, there will be no charge. We have cut-outs for use by those scoring by letter or by number. Single copies of the device with cut-outs are available to out-of-state teachers, state supervisors, teacher trainers, and others without charge If more are ordered, they are 15 cents a set, f.o.b. Urbana.* M.H.

Supplies for Judging Contests. For some years Vocational Agriculture Service has provided supplies for use in judging contests. The charge of $2.50 per thousand, f.o.b. Urbana, for placing cards will be continued this year, regardless of whether the cards are for sectional judging contests, local contests, 4-H contests, or other similar activities.* There will be no additional charge for registration cards, score sheets, manila cards for scoring, judge's placing cards, and the like if they are ordered at the same time as the placing cards. The $2.50 per thousand will make judging cards cost not more than two cents per boy for the eight rings ordinarily included in any of our contests. We think most teachers will agree that this charge is reasonable.

We have placing cards in seven colors and crop and weed seed identification cards in the same colors. Registration cards in two colors will be available for each of the divisions ordinarily included in the state judging contest. Summary sheets are in two colors, and manila cards for scoring and judge's placing cards will be sent when requested on the basis of number of rings to be included in the contest.

PLEASE NOTE: Again this year we have a form to use when ordering judging supplies. It should help you in ordering and also help us fill your order more intelligently. Please request a copy of the form before ordering supplies. M.H.

Slidefilm Containers. These containers are the same as those in which Vocational Agriculture Service slidefilms are distributed. If you need extras, we can supply them at 3 cents each, f.o.b. Urbana.* M.H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Revolving Jar Holders for Small Items. We now have additional revolving jar holders for small items. One size holds 36 14-oz. jars and is priced at $5.50, f.o.b. Urbana.* Another size holds 48 4-oz. jars and is priced at $4.00, f.o.b. Urbana. Vocational Agriculture Service cannot assume responsibility for jars broken in shipment. If your order is to be shipped, we will pack it as carefully as possible and send it by insured parcel post or express, whichever is cheaper. The insurance receipt will be sent to you. You can then make any claims that are necessary as a result of breakage. M.H.

Jars for Revolving Jar Holders. We normally stock jars for those wishing to make up their own revolving jar holders. The 14-oz. size with cover will mount on a standard 4 x 4. The square 4-oz. jars can be mounted on a piece obtained by ripping a standard 2 x 4. Because these jars are slightly different in size from the ones we used in the first holders, schools wishing to make their own revolving device may need to make a slight variation in the over-all length of the piece on which the jars are to be mounted and in the spacing from those shown on the blueprints.

The 14-oz. jars with covers are $1.10 per carton of twelve, while the 4-oz. jars with covers are $2.00 per carton of forty-eight. Prices are f.o.b. Urbana and are based on full cartons only.*

Vocational Agriculture Service cannot assume responsibility for jars broken in shipment. If your order is to be shipped, we will send it by insured parcel post or express, whichever is cheaper, and the insurance receipt will be sent to you. You can then make any claims that are necessary as a result of breakage. M.H.

Soil-Testing Supplies. In April 1953 Vocational Agriculture Service discontinued distributing most of the soil-testing supplies handled up to that date. We are, however, still handling three of the items previously used in our soil-testing kits: racks for holding testing vials, greenhouse or measuring spoons, and the lamp used in reading the K test. Racks are 25 cents each, greenhouse spoons 50 cents each, and lamps $1.25. All three prices are f.o.b. Urbana.* M.H.

Information for Making Soil Monoliths. This release was prepared last year and copies were available at the Conference as well as having been announced previously. As long as our supply lasts, they can be obtained at 5 cents per copy, f.o.b. Urbana.* M.H.

Soil Cutters (for Monoliths). These soil cutters can be obtained from Vocational Agriculture Service at 85 cents each, f.o.b. Urbana.* M.H.

Aluminum Tubing for Making Soil Cutters. This is the same tubing from which we made the soil cutters referred to previously. Schools wishing to purchase the tubing may obtain it from Vocational Agriculture Service at $1.50 per foot, f.o.b. Urbana.* M.H.

Suede Paper for Use on Flannel Boards. This paper comes in a roll 27 inches wide. The minimum order is one linear yard, and the cost is 25 cents per linear yard, f.o.b. Urbana.* M.H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Chips for Making Soil Color Charts. These have been announced in several previous issues of the AIDS, and we displayed them at the time of the June Conference. Our present supply has been exhausted, but we have reordered and should be able to fill orders within a reasonable time. The chips are unmounted and are priced at $2.75, f.o.b. Urbana.* M.H.

Covers for Mounted Sheets of Color Chips. These notebook covers were displayed at the June Conference, but we do not carry them in stock. If 10 or more are ordered between now and October 1, we will place an order and make delivery as soon as possible thereafter. Covers are priced at $1.50 each, f.o.b. Urbana.* M.H.

Tool Cabinets. A limited number of tool cabinets were available at the time of the summer conference. We still have a few of them. Because of the difficulty in shipping, we have made no plans for shipment. Prices and sizes are as follows:

6 - 16 x 48 - $5.75
1 - 16 x 40 - $5.75 M.H.

Problem and Key for Farm Account Book. We expect to have a new problem and key available by October 1, 1958, for use with the Illinois Farm Account Book. As yet we are not ready to accept orders for either the problem or the key. Further information in this regard will be carried in the September AIDS.

We still have a few remaining copies of the problem and key as used the last two years. Teachers who do not wish to wait for the new ones can purchase copies, so long as the supply remains, at 25 cents a copy for 1 to 5 copies of the problem or 10 cents a copy for 6 or more. Copies of the key are 50 cents each. All prices are f.o.b. Urbana.* M.H.

Illinois Farm Record Book. This book was revised last year, and so far as we know no additional revisions will be made during the course of the current school year. Copies may be obtained by writing direct to Agricultural Economics or through our office, depending upon which is more convenient. Prices are as follows:

Part 1 -- 40 cents a copy, 35 cents each for 5 or more
Part 2 -- 25 cents a copy, 20 cents each for 5 or more
Out-of-state orders, Part 1 -- 45 cents, Part 2 -- 30 cents
(Regardless of quantity ordered) M.H.

Electric Motors for Farm Use. This 8 1/2 x 11 inch publication of more than 30 pages was prepared primarily as a text and laboratory guide to accompany the laboratory materials on electric motors now available in each of the 25 agricultural sections in Illinois. Copies are 40 cents each if fewer than five are ordered at one time or 35 cents each for five or more. Both prices are f.o.b. Urbana.* M.H.

Bluebook of Public Speaking for F.F.A. Members. This publication was a reprint of one originally used by Tennessee. Our supply was exhausted during the week of the June Conference, but we have now reprinted an additional couple of hundred copies. So long as this supply lasts, copies will be available from Vocational Agriculture Service at 10 cents each, f.o.b. Urbana.* M.H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Guide to Parliamentary Practices. Copies of this publication are still available. A charge of 15 cents a copy, f.o.b. Urbana, will apply to individuals ordering more than a single copy.* Single copies will be distributed free to out-of-state teachers of vocational agriculture, teacher trainers, and state supervisors, as well as to individual teachers in Illinois who may not be familiar with the publication. M.H.

Planning the Farm Business. Copies of this book are 25 cents each to out-of-state readers, regardless of number of copies ordered, and to all Illinois residents who order fewer than five copies at one time. Illinois teachers ordering five or more copies at the same time may obtain them either from the Agricultural Information Office, 110 Mumford Hall, or from Vocational Agriculture Service, 434 Mumford Hall, at 20 cents a copy.* If you order from the Agricultural Information Office, payment should accompany orders. M.H.

Agronomy Facts -- Volumes I, II, III, and IV. Bound copies of these volumes of Agronomy Facts are available through the Information Office. You can order direct, in which case payment should accompany your order, or you can order through Vocational Agriculture Service on the basis of payment policies indicated elsewhere in this issue. Copies of Volume I are $1.50 each. Copies of Volumes II, III, and IV are $1.00 each. Bound copies of Volume V (distributed during the 1957-58 school year) are not yet available. These prices are f.o.b. Urbana.* M.H.

Careers in Agriculture. This is the new career brochure prepared by the College of Agriculture, University of Illinois. We understand that single copies will be distributed by the College of Agriculture shortly after the opening of the school year and that a copy will be sent to each vocational agriculture teacher at that time. If additional copies are needed, they may be obtained through Vocational Agriculture Service at 25 cents each, f.o.b. Urbana. The minimum order is 5 copies.* M.H.

Table for Converting Swine Weights. We still have a supply of tables for converting swine weights to 56 days. In general, only single copies are available on a free basis. If a department needs more, we will consider supplying them at a nominal charge. M.H.

Illinois Soil-Type Description Sheets, AG-1443. The Information Office tells us that copies of this publication are no longer available. We do not know of any plans for reprinting the publication in the immediate future. If the material should again become available, an announcement will be made in the AIDS. M.H.

Swine Manual. Copies of the Swine Manual are no longer available. Further, we do not plan to reprint it in the form in which it was previously distributed. M.H.

F.F.A. Roadside Signs. The Board of Trustees of the F.F.A. Foundation at a recent meeting set up in their budget funds for maintaining the F.F.A. roadside signs that have been distributed to date. We assume that after the details have been worked out, and when those in the State Office think it is the advisable time, they will send an announcement regarding plans for returning the signs for repainting and relettering. We understand that the few remaining sets that we have are to be used for exchange in connection with maintenance of signs previously distributed. Consequently no additional sets will be available through Vocational Agriculture Service for the coming school year. M.H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Tape Recordings. Several tape recordings are available from Vocational Agriculture Service. They vary from 15 to 30 minutes in length. They are for use at a speed of 7 1/2 feet per second. The recordings are made on 1200 feet of 1/4-inch tape on 7-inch reels. The price of each tape is $3.50.

How and Why Soils Differ
Deep Tillage
Effect of Micro-organisms in the Soil
Soil Moisture
Long-Range Soil Fertility Programs
Collecting Soil Samples
Soil Acidity and Liming
Leaf Feeding and Foliar Fertilization
Soil Nitrogen and Nitrogen Fertilization
Fall and Winter Application of Nitrogen
Growing Corn on Low-Potash Soils in Southern Illinois
Guideposts for 100-Bushel Yields of Corn
Chemical Weed Control
Insect Control in Field Crops and Stored Grain

Vocational Agriculture Service Electric Motor Kits Available. Electric motor laboratory kits will be available in each section on the same basis as last year. Kits are in charge of electric power supplier representatives who are co-operating in the program.

These men will issue kits to eligible teachers according to the schedule for the year which is worked out by the sectional chairman and those concerned. Teachers who have not participated in a training meeting, either in a section or at the University of Illinois (applicable to recent graduates), may request this training from the power supplier representatives.

If you are interested in further details and your sectional chairman is not able to supply them, please contact Vocational Agriculture Service. M.H.

Film Strip and Recording on Meat-Type Hogs. Mr. Charles Hughes of the Livestock Division of Armour and Company contacted Mr. Damisch, and he in turn referred the letter to our office. For the past several months Armour and Company have been circulating a sound film in color (19 minutes) on meat-type hogs. The letter indicates that they have had good response, but due to a help shortage they are having to discontinue circulating the material. They are trying to place the films in places where they will have repeated use. Our office has received one of the prints free along with the plate recording that is to accompany the strip. We shall be willing to loan the copies to teachers and would appreciate your contacting this office as far in advance of the date you wish the material as possible. There will be no charge except that the user will be expected to return the materials in good conditions and pay shipping costs both ways. M.H.

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 1958-59:

1. How long may a box of wiring supplies be kept?
   The person requesting the box sets the length of time he wishes to keep the material. We ask only that:
   a. The 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.)

2. What is the cost of using the materials?

The costs are as follows:

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 $1.00 per hour for time required to check, recondition, and repack the box.
d. An additional charge of $5.00 per box, regardless of time used. (This will be the first year such a charge has been made, but it 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.)

3. 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 $1.00 per hour.
d. Pay the flat charge of $5.00 per box regardless of time used.

4. Can two or more schools use the same box of supplies during a given period of time, thus saving on 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, however will 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.

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

By arranging in advance to be present when your box is rechecked. After the boxes are rechecked, we have no way of correcting discrepancies that you think exist.

Agricultural Releases for 1958-59. On June 2 we sent a form letter including the following information to all who were Agricultural Release subscribers for 1957-58 or had placed advance orders for 1957-58 subject-matter units. The same information was also available to those attending the Annual June Conference of vocational agriculture teachers. If you have ordered Agricultural Releases for 1958-59, please do not order again on the basis of this announcement.

INFORMATION ON AGRICULTURAL RELEASES
(October 1958 - May 1959, Inclusive)

I. Agricultural Releases will include all multiliths, mimeographs, or printed releases from the College of Agriculture, which departments approve our sending, except (a) items primarily of local interest or (b) some items that carry a regular charge.

II. The subscription charge for the 1958-59 releases will be based on the cost of the releases to Vocational Agriculture Service but will not exceed $10.00 plus postage. The charge to out-of-state subscribers will be the same unless (1) departments or divisions make a higher charge to Vocational Agriculture Service for given items for out of state or (2) we are not given approval to distribute certain items to out of state subscribers. In either case, subscribers will be charged accordingly.

III. An open (charge) account will be set up for each Agricultural Release subscriber.

NOTE: THE FULL SUBSCRIPTION PRICE ($10.00 plus postage on items already sent) WILL BE CHARGED FOR ANY SUBSCRIPTIONS CANCELED AFTER THE DEADLINE DATE OF SEPTEMBER 1, 1958. M.H.

Advance Orders for 1958-59 Subject-Matter Units. The letter of June 2 referred to in the previous item also carried information regarding advance orders for subject-matter units for 1958-59. Similar information was available to those attending the Annual Conference. The following information may be of interest to those who wish to place an advance order and who have not seen the information referred to.

INFORMATION ON ADVANCE ORDERS FOR SUBJECT-MATTER UNITS FOR 1958-1959

If Vocational Agriculture Service can be assured a sufficiently large sale of each of the subject-matter units printed during the 1958-59 school year, the selling price of the units can be reduced. We are willing to pass the saving on to those who make it possible. Consequently, on all orders placed prior to September 1, 1958, for units Vocational Agriculture Service may release between September 1, 1958, and June 1, 1959, a reduction of 25 percent will be allowed, subject to the following conditions:

1. That Vocational Agriculture Service receive on or before September 1, 1958, orders totaling at least 3,000 copies of each unit to be issued between September 1, 1958, and June 1, 1959.

2. That an advance order must be for the same number of copies of each and every unit that Vocational Agriculture Service releases between September 1, 1958, and June 1, 1959.

3. That no advance order is to be for less than 10 copies of each and every unit.

The 25 percent reduction will be on the basis of the price to be announced on each unit at the time it is released.

Vocational Agriculture Service guarantees that the total discounted cost of a single set (one copy of each unit issued between September 1, 1958, and June 1, 1959) will not exceed $1.50, f.o.b. Urbana, Illinois ($15.00 per minimum order of 10 sets).

Charges for unit orders accepted prior to September 1, 1958, will be made against an open account.

THE DEADLINE FOR OUR ACCEPTING ORDERS FOR EITHER UNITS OR AGRICULTURAL RELEASES IS SEPTEMBER 1, 1958. M.H.

INFORMATION ON UNITS TO BE DISTRIBUTED BETWEEN JULY 1, 1958, and JUNE 30, 1959

Title	Unit No.	Pages
Improving Animals Through Breeding	1009	16
Producing Beef Cattle From a Beef Breeding Herd	1010	8
The Ewe and Her Lamb	1011	8
Buying and Feeding Beef Cattle	1012	12
General Facts on Livestock Feeding	1013	8
Poultry Lice and Mites	1014	8
Planning the Soil Fertility Program	2010	12
Choosing a System of Farming	2011	8
Selecting the Livestock Enterprises	2012	8
Planning for Adequate Size Business	2013	8
Planning the Livestock System	2014	8
Completing the Soil Fertility Plans	2015	8
Making and Using Concrete on the Farm	3007	16
Farm Tractor Tune-up	3008	12
Planting and Care of Farm Forests	4024	16
Controlling Diseases of Vegetable Crops	4025	12
Growing Barley	4026	8
Growing Winter Wheat	4027	16
Soil Structure	4028	8

M.H.

LIST OF SUBJECT-MATTER UNITS AVAILABLE FROM VO-AG SERVICE AS OF AUGUST 1, 1958

Units	Title	Price ea. 1-4	Price ea. 5 or more
1001	Caring for the Sheep Flock During Breeding and Gestation	$.16	$.08
1002	Artificial Insemination	.16	.08
1003	Selecting and Purchasing Sheep	.16	.08
1004	Diseases of Sheep	.24	.12

Units	Title	Price ea. 1-4	Price ea. 5 or more
1005	Internal Parasites of Sheep	$.16	$.08
1006	External Parasites of Sheep	.16	.08
1007	Capons and Caponizing	.16	.08
1008	Testing Milk for Butterfat	.16	.08
2001	Farm Planning for Long-Time Profits	.16	.08
2002	Taking an Inventory of Farm Resources	.32	.16
2003	Planning a Sound Land Use Program	.32	.16
2004	Principles of Field Arrangement	.24	.12
2005	Coordinating the Cropping System, Soil Conservation Practices, and Field Layout	.24	.12
2006	Selecting the Crops to Grow	.24	.12
2007	Estimating Crop Production	.16	.08
2008	Farm Record-Keeping	.32	.16
2009	Using the Illinois Farm Record Book	.16	.08
3001	Using the Oxy-Acetylene Flame in Farm Construction and Repair	.48	.24
3002	Farm Metal Work	.48	.24
3003	Wiring the Farmstead for Electricity	.64	.32
3004	Arc Welding	.80	.40
3005	Sharpening Hand Tools	.32	.16
3006	Selecting Lumber and Other Building Materials	.24	.12
4001	Collecting and Preparing Soil Samples for Testing	.08	.04
4002	Testing Soils for Acidity	.08	.04
4003	Testing Soils for Phosphorus	.08	.04
4004	Testing Soils for Potassium	.16	.08
4005	Nature of Soil Acidity and Major Plant Nutrients	.08	.04
4006	Using Limestone to Correct Soil Acidity	.08	.04
4007	Using Phosphorus Fertilizers	.08	.04
4008	Using Potassium Fertilizers	.08	.04
4009	Using Nitrogen Fertilizers	.16	.08
4010	Probable Responses From Use of Fertilizers	.16	.08
4011	Hunger Signs--A Guide to Soil Improvement	.36	.18
4012	Maintaining Organic Matter in the Soil	.16	.08
4013	Animal Manures on the Farm	.16	.08
4014	Improving Permanent Pastures	.16	.08
4015	Growing Red Clover	.24	.12
4016	Growing Ladino Clover	.16	.08
4017	Growing Sweet Clover	.24	.12
4018	Farmstead Windbreaks	.16	.08
4019	Seed Treatments	.08	.04
4020	Plants Poisonous to Livestock	.32	.16
4021	Grass Waterways	.16	.08
4022	Inoculation of Legumes	.08	.04
4023	Growing Oats	.16	.08

We have a policy of requesting that payment (including postage where postage is charged) accompany orders totaling less than $5.00 unless the school or individual has an open account with this office. Prices quoted on 1-4 copies are prepaid,while those quoted on 5 or more copies are f.o.b. Urbana.

SLIDEFILMS AVAILABLE FROM VOCATIONAL AGRICULTURE SERVICE
AS OF AUGUST 1, 1958

When ordering please be sure to state whether you wish single- or double-frame prints.

Orders for items distributed by Vocational Agriculture Service totaling less than $5.00 should be accompanied by payment unless you are an Agricultural Release subscriber for 1958-59 or have an advance order for units from Vocational Agriculture Service--either of which gives you an open account. Stamps may be sent in payment of amounts of less than $1.00. Prices given are f.o.b. Urbana--postage is extra.

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	ANIMAL HUSBANDRY			
120	Feeding for Egg Production	71	$ 1.24	$ .88
140	Control Stomach and Nodular Worms of Sheep	48	.84	.60
141	Shearing Sheep	64	1.12	.80
142	Breeds of Sheep	106	1.86	1.33
143	Selecting Sheep	85	1.48	1.06
160	Increase Profits Through Swine Sanitation	65	1.14	.81
166	Selecting Breeding Hogs	78	1.36	.98
167	External Parasites of Swine	48	.84	.60
180	Fitting, Training, Grooming, and Showing Beef and Dairy Calves	100	1.75	1.25
181	Identification of Kinds of Meat (in color)	24	1.81	1.27
182	Identification of Cuts of Pork (in color)	44	3.12	2.18
183	Identification of Cuts of Beef (in color)	38	2.70	1.89
184	Identification of Cuts of Veal (in color)	30	2.29	1.60
185	Identification of Cuts of Lamb (in color)	26	1.93	1.35
181-185	Meat films (complete set)		10.00	7.00
186	Preventing Loss When Handling Livestock	40	.70	.50
	DAIRY HUSBANDRY			
2010	Winter Feeding of Dairy Cattle	96	1.68	1.20
203	Producing and Handling Clean Milk	76	1.33	.95
204	Bacteria and Milk	59	1.03	.74
205	Good Milking Practices	56	.98	.70
206	Testing Milk for Butterfat	43	.75	.54
207	Selecting Dairy Cattle	91	1.62	1.15
	FARM MANAGEMENT AND ECONOMICS			
310	Increasing the Efficiency of Man Labor	54	.94	.67
320	Marketing Grain Through a Grain Exchange--The Cash Market	43	.75	.54
321	Marketing Grain Through a Grain Exchange--The Futures Market	52	.91	.65
330	Farm Appraisal	117	2.05	1.46

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	FARM MECHANICS			
4000	Important Rulings Based on the National Electrical Code	124	$2.17	$1.55
4010	Diagramming for Electrical Wiring	55	.96	.69
4040	Recognizing the Items in the Vo-Ag Electrical Loan Box--Unpacking and Repacking the Box	80	1.40	1.00
412	Part 1. Magnetism & D.C. Motor	35	.62	.44
413	Part 2. Induction & A.C. Motor	38	.67	.48
414	Part 3. Testing & Identifying Leads; Connecting and Reversing	42	.74	.53
415	Part 4. Trouble Shooting	67	1.19	.84
412-415	Electric Motors (complete set)		2.90	2.10
423	Selection and Application of Galvanized Roofing and Siding	56	.98	.70
430	Concrete Masonry	54	.94	.67
431	Making Farm Concrete	80	1.40	1.00
432	The Use of Welded Wire Fabric on the Farm	53	.93	.66
440	Prevent Corn Picker Accidents	42	.74	.53
441	Care, Operation and Adjustment of Mowers	65	1.14	.81
450	Arc Welding--Equipment and Fundamentals of Welding	42	.74	.53
451	Arc Welding--Learning to Run a Bead	46	.81	.58
452	Arc Welding--Welding in Different Positions	83	1.45	1.04
450-452	Learning Farm Welding With the Arc Welder (Set of 3)		3.00	2.15
453	Soldering	88	1.54	1.10
454	Assembling and Testing Equipment Lighting and Turning Off the Blowpipe	66	1.16	.83
455	Cutting Steel, Piercing Holes, and Bronze Welding	71	1.24	.89
456	Fusion Welding, Hard Surfacing, Tempering, Forming, Bending, and Straightening	72	1.26	.90
454-456	Use of the Oxy-Acetylene Flame (Set of 3)		3.65	2.61
457	Welding Cast Iron With the Arc Welder	52	.91	.65
458	Hardsurfacing Farm Equipment With the Arc Welder	42	.74	.53
459	Heating, Brazing, Soldering, and Cutting With Arc Welding Equipment	45	.79	.56
480	Identification of Pipe and Fittings	79	1.38	.99
494	Use of Color in the Farm Shop (in color)	55	2.10	1.25
495	Part 1. Building a Woven Wire Fence	80	1.40	1.00
496	Part 2. Special Fencing Problems	61	1.07	.76
495-496	Good Fencing for Better Farming (Set of 2)		2.25	1.60
	FORESTRY			
500	Planting Farm Forests in Illinois	94	1.64	1.17
501	The Farmstead Windbreak	103	1.80	1.29
502	Improve and Protect Illinois Farm Woodlands	49	.86	.61
503	Christmas Tree Production (in color)	56		not avail.

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	SOILS AND CROPS			
702	Animal Manures on the Farm	51	$ .89	$ .64
703	Collecting and Preparing Soil Samples for Testing	36	.63	.45
704	Testing Soils for Acidity and Interpreting the Test	35	.61	.44
705	Testing Soils for Available Phosphorus and Interpreting the Test	57	1.00	.71
706	Testing Soils for Available Potassium and Interpreting the Test	47	.82	.59
707	Estimating Probable Responses From the Use of Limestone and Fertilizer	41	.72	.51
720	Establishing Grass Waterways	43	.75	.54
721	Soil Conservation Needs, Practices, Benefits	47	.83	.59
730	Methods of Selfing and Crossing Corn	51	.89	.64
742	Inoculation of Legume Seeds	47	.82	.59
743	Alfalfa Culture and Management (in color)	33	2.25	not avail.
744	Alfalfa Insects (in color)	27	2.25	not avail.
	MISCELLANEOUS			
7.0	How Safe Is Your School Farm Shop?	68	1.10	not avail.
1001	Improvement of Plants and Animals Through Breeding	106	1.85	1.32
1002	Principles of Breeding	47	.82	.59
1003	Using Warfarin in Controlling Rats and Mice	43	.75	.54
1004	Program of Vocational Agriculture in Illinois High Schools	79	1.38	not avail.

ADDITIONAL AIDS, But Not From Vocational Agriculture Service

Careers in Agriculture--Motion Picture. A colored print of "Careers in Agriculture" is available through Visual Aids Service, 205 Arcade Building, University of Illinois, Urbana. Rental rate for a period of 1 to 5 days is $4.15 plus return postage.

The teacher's guide regarding this film gives as its purpose: "To explore the opportunities that exist in various agricultural occupations, to show something of the requirements for work in each, and to give an understanding of the relative importance and nature of the work involved.... The film centers around a real farm family and presents a true picture of agriculture as it is today. It portrays the closeness and cooperation of the family unit in a farm environment and indicates its role in influencing many young people's decisions to remain in agriculture. With Richard's vocational agriculture teacher (portrayed by Marion Welles of Yorkville) as a guide, the film investigates the career possibilities for both boys and girls. Scenes illustrating careers in crop and livestock farming, research, industry, conservation, agricultural services, business, communications, and education provide a wealth of information that will clarify and widen the choice of an agricultural career for students." M.H.

Electrical Terms--Their Meaning and Use. This 8 1/2" x 11" publication of 32 pages carries a list price of 75 cents a copy. It is the latest in a series of teaching aids available from the Coordinator's Office, Southern Association of Agricultural Engineering and Vocational Agriculture, Barrow Hall, Athens, Georgia.

The same source has a complete list of publications and visual aids that they have available at the present time. M.H.

Farm Mechanics Welding Projects. The James F. Lincoln Arc Welding Foundation has now changed its literature so that the 45 farm project plans are offered in sets priced at $1.00 a set. It will continue to sell individual sheets when requested, but will make no attempt to promote them as such.

If interested, order direct from The James F. Lincoln Arc Welding Foundation, Cleveland 17, Ohio. M.H.

Fresh Approach to Laying House Profits. This paper-covered publication of more than 50 pages carries a price of $1.00, but we understand that single copies are free when requested on high school stationery by vocational agriculture teachers. Additional copies are available at 25 cents a copy for library or class use. Orders should be sent to Rex Hall, Hy-Line Poultry Farms, Des Moines 9, Iowa.

The foreword contains the following information: "If you are truly serious about deriving the maximum return and satisfaction from your laying flock, you are going to find this little book the most exciting thing on management of the laying flock that you have ever read.

"Don't let the cartoons fool you into thinking this is a primer for beginners. From beginning to end it is packed with meat for the old-timers in the business." M.H.

Weed and Crop Seed Color Slides. These sets contain an original Ektachrome transparency of each of the 42 weed seeds or 35 crop seeds given in the list of seeds to be identified in the Illinois State Grain Judging Contest. Weed seed sets are $12.25 and crop seed sets $10.25.

Order direct from Mr. H. J. Rucker, 513 W. Oregon Street, Urbana, Illinois. M.H.

Payment for Items Purchased Through Vocational Agriculture Service. For years Vocational Agriculture Service has had a policy of accepting orders totaling more than $5.00 on open (charge) account. We request that payment, including postage, accompany all orders totaling less than $5.00 unless the individual or organization ordering has an open account with Vocational Agriculture Service for 1958-59.

All open accounts will be set up under the following conditions:

Open accounts will be set up for the year 1958-59 for those in any one of the three following categories:

(1) Agricultural Release subscribers for 1958-59.

(2) Those who place advance orders for 10 or more sets of all units to be released during 1958-59.

(3) Individuals or organizations not in one of the two preceding categories but who send us a written request for an open account and are notified of approval of such request by Vocational Agriculture Service.

****

The following conditions apply to any open account that Vocational Agriculture Service sets up for 1958-59:

(1) Whenever feasible, charges totaling $5.00 or over will be included on a statement sent at the time an order is received.

(2) Ordinarily, charges of less than $5.00 will be accumulated by Vocational Agriculture Service until the total reaches at least $5.00. Statements will be sent as soon thereafter as seems desirable to our Service.

(3) At the end of our fiscal year (June 30, 1959), a final statement will be sent for each open account regardless of how small the accumulated charge might be.

(4) All statements are payable within three months from date of statement unless other arrangements have been approved by Vocational Agriculture Service prior to issuance of the statement.

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.

M.H.

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.

a. 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, Room 424 Mumford Hall (Tel. Ext. 186), or direct to the individual or department concerned.

b. 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.

c. Normally only one speaker will attend any one series of vocational agriculture meetings.

d. 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. M.H.

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 all items f.o.b. Urbana unless otherwise indicated. This certainly should not handicap those who have an open account with us for 1958-59. 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. M.H.

Plan for Grouping Charge Orders From Different Divisions of College of Agriculture. Vocational agriculture teachers can now 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. It may also enable you to order the minimum of $5.00 and thereby eliminate the need to send payment with your order in case you do not have an open account with Vocational Agriculture Service for 1958-59.

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 is cheaper. Vocational Agriculture Service will no longer prepay postage unless you have an open account with us for 1958-59. In such cases we will advance the postage and charge your account. M.H.

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 the vocational agriculture program:

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 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 of need to justify the extra copies. This should include 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.

NOTE: The committee ratings on publications are no longer available for distribution. Experience has taught us that too many teachers simply follow the plan of ordering according to the committee ratings rather than according to their needs. M.H.

Farm Soils. We now have in our library for those interested a copy of the 5th edition of "Farm Soils" by Edmund L. Worthen and Samuel R. Aldrich. This book is published by John Wiley & Sons, Inc., 440 Fourth Avenue, New York 16, New York. It contains 14 chapters and more than 425 pages and is priced at $4.96. Some of the chapters are Getting Acquainted with Soil, How to Fit, Plant and Cultivate, Fertilizers for Higher Yields, Keeping Soils Productive: Land Use, Rotations, Fertility, and Soil Maps, Land Judging, and Soil Classification.

The preface states: "This is essentially a new book. We have written Farm Soils primarily for those who want a working knowledge of soils rather than a technical knowledge. This does not mean that technical accuracy has been sacrificed. Our approach is to describe soils and their fertilization and management in terms that most readers will understand. We have avoided much of the terminology and definitions that are used by soil scientists. The soil terms in this book are mostly those that one finds in reading extension service bulletins and farm magazines. Other technical terms are given in the Glossary at the end of the book.

"We have placed primary emphasis on understanding the principles of soil management and fertilization. There are many sources of specific recommendations available." M.H.

Records for Farm Management. Also added to our list of books for interested teachers since the June Conference is "Records for Farm Management" by Hopkins and Turner. This book is priced at $4.00 and is published by Prentice-Hall, Inc., Publishers, 70 Fifth Avenue, New York 11, New York. It contains more than 200 pages distributed over 14 chapters. Some of the chapters are Records of Farm Performance, The Farm Inventory, Simple Financial Account Books, and Interpreting the Income Figures.

According to the preface, "The purpose of this book is to present a simple system of keeping and analyzing farm records. The methods described are those of a single-entry accounting such as are used on thousands of family-sized farms in the United States.

"Emphasis is placed on processes for analyzing and solving problems which the farmer runs into from day to day in the course of his business. In other words, farm accounting is conceived of as a practical tool in farm management rather than as a subject studied apart from other aspects of agriculture."

How to Plan a House. Those interested in reviewing books in our library from time to time may be interested to know that we have recently received a copy of "How to Plan a House." The authors are Townsend and Dalzell, and the book is published by American Technical Society, 848 East Fifty-Eighth Street, Chicago 37, Illinois. It is priced at $6.95. A letter from Mr. D. N. McCarl, Executive Vice President of the American Technical Society, states that the 3rd edition has undergone extensive revision and that in spite of the cost of the revision they have been able to maintain the price at $6.95 in anticipation of greatly increased sales. The book contains approximately 600 pages, distributed over 18 chapters. Some of those are Types of House Architecture, Styling a House, Foundations and Footings, Types of Materials for walls, partitions, floor, roofs, and Planning Various Rooms. The preface states: "The dream of a home of one's own is nearly universal.... How to Plan a House, then, has been written for those who want to make the universal dream come true for them, who want to learn to create for themselves, and who need help to do it.

"It is true that an architect can plan your house for you. And if you are fortunate enough to be able to consult one, you should do so. But a preliminary reading of this book will enable you to explain, clearly and intelligently, what you want in your house and will also help you to visualize the architect's intention and to determine whether or not each detail complies with your ideas and your taste.

"The book is also written in a practical as well as authoritative manner so as to be of interest and value to the men who build houses."

Educators Guide to Free Films. We have recently received the 18th annual edition (1958) of Educators Guide to Free Films. Previous editions have been in our library for years and have been displayed at various annual conferences. The current edition is available for teachers wishing to review it while in the office. The Guide lists at $7.00 and according to the publisher's foreword: "This EIGHTEENTH annual GUIDE TO FREE FILMS is completely revised. The GUIDE has come a long way in eighteen years from that first 1941 edition which required but 102 pages to document 671 film titles to this current 616-page edition of 4,013 titles.

"Most significant, and even amazing perhaps, is the continuing growth in number of free films available. The number of titles has more than doubled since 1950--from 1,927 titles only eight years ago to 4,013 in this 1958 edition...741 of the 4,013 titles are new in this edition.... The number of sources has increased by 10, from 615 a year ago to 625 in 1958.... Films withdrawn during the year have been deleted." M.H.

Machine Woodworking. This is one of three publications received from McKnight & McKnight Publishing Company since our June Conference. The book is the third edition and carries a copyright date of 1958. Its more than 200 pages are distributed over 12 major sections. Some of those are Shop Administration, The Circular Saw and Sawing Operations, The Radial Arm Saw and Its Use, Band and Jig Saws, and Power Sanders and Sanding Operations. The book lists at $3.69.

The introduction states: "In the operation units all instructions necessary to perform the operation correctly are given. The advantages of written operation units are: 1, they supply the student with a permanent source of information to which he can refer as he has need or occasion; 2, they enable the student to secure desired information independently, 3, they aid the student in developing self-reliance and capacity for self-direction in that they make it possible for him to proceed on his own initiative; 4, students are not required to wait until the instructor can find time to instruct them; 5, students taken to task for performing operations incorrectly cannot excuse their errors on the ground of not being able to secure information as to how the operation should have been performed."

Experimental Basic Electronics. This is the second book received from McKnight & McKnight and likewise carries a copyright date of 1958 for this first edition. The publication contains more than 100 pages and is set up on the basis of experiments. Some of those are Rouch check of the Voltage and Frequency in an A.C. Circuit, Effect of Resistance on Voltage, Study of the Filter Section of the Power Supply, Photocell Relay and Capacity Relay. The book is listed at $3.00, and copies should be ordered direct from McKnight & McKnight Publishing Company Bloomington, Illinois. Those visiting our office and interested in doing so may of course review the copy which we have and which will be displayed at our next Annual Conference if a book display is made as in the past.

A Handbook of Drafting Rules and Principles. This publication of approximately 100 pages is also published by McKnight and McKnight, and this first edition carries a copyright date of 1958. The book lists at $2.00, and the copy we have is available for review by those interested. The book contains seven chapters, some of which are Use of Drawing Tools, Dimensions, Lettering, Inking, and Drawing.

The preface states: "This book has been designed to provide a foundation of the principles of drawing, dimensioning, and projection for those who study drafting.... The rules consist of statements or generalizations which are applicable to many drawings. An explanation is given for each rule and illustrations adjacent to the discussion are shown for most of the rules.... There is presented here a brief source of information, a standard for drafting room practice, a method for correcting drawings, and a guide for the selection of subject matter used in the instruction of drafting." M.H.

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JULY 18, 1958, PRICE LIST OF FEEDS[1/]

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 ton in dollars
Corn, bu.	$ 1.25
Corn, ground, bu.	1.32
Oats, bu.	.60
Oats, ground, bu.	.67
Barley (feed), bu.	1.00
Barley, ground, bu.	1.07
Hominy feed, ton.	58.00
Wheat bran, ton	48.00
Shorts and standard middlings, ton.	54.00
Flour middlings, ton.	56.00
Red Dog flour, ton.	56.00
Soybean oilmeal (44% protein), ton, solvent extracted.	74.00
Linseed meal (34% protein), ton, solvent extracted.	75.00
Cottonseed meal (41% protein), ton, solvent extracted	79.00
Gluten feed, ton.	52.00
Tankage, ton.	127.00
Blood meal, ton	140.00
Beef scrap, ton	115.00
Steamed bone meal, ton.	92.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.70
Whole milk, cwt.	3.57
Corn silage, ton.	8.00
Grass silage, ton	
No preservative added	6.00
Preserved with 70-100 lb. molasses.	7.00- 8.00
Preserved with 150-200 lb. ground corn.	10.00-11.00
Clover and mixed hay)	15.00
Cowpea hay) Add $5 per ton.	13.00
Soybean hay) for baled hay	14.00
Alfalfa hay) and straw	16.00
Timothy hay)	15.00
Corn stover, ton.	10.00
Oat straw, ton.	10.00

Pasture Rates*

Colts and calves, 6 to 12 months old, 6 cents a day
Colts and calves, 12 to 24 months old, 7 cents a day
Cattle, 24 months and over, 13 cents a day
Pigs, 50 to 100 pounds, 1/4 cent a day
Pigs, 100 to 150 pounds, 1/2 cent a day
Pigs, over 150 pounds, 1 cent a day
Lambs up to weaning, 1 1/2 cents a day
Sheep or lambs after weaning, 2 1/2 cents a day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, August 1958

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

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Illinois State Board of Vocational Education

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

Our organization has an outstanding record in percentage of teachers belonging to the I.A.V.A.T. and their affiliation with the A.V.A. Many of the other state officers admire and marvel at the excellent association we have here in Illinois. Let us not take this fact for granted, but instead work just a little harder to continually improve our program and progress in our educational needs.

Each year it is necessary to appoint new committee members to replace those who have served their terms of office. These new members along with the holdovers have the responsibilities of discharging the duties of their particular committee. In many instances, several time-consuming meetings are required in order to develop progressive programs for our organization. All of us, whether on a committee or not, realize the value of these varied activities so important to our association.

Again this year committees met at our June Conference, and each prepared and presented an activity report to our members during the business meeting. The five district directors have the responsibility of working with the several committees. Listed below are the committee appointments for 1958-1959:

Executive Committee (elected)

President - Ray Dunn, Galesburg
Vice president - Harold Drake, Waterloo
Secretary-Treasurer - Keith McGuire, Polo (appointed)
Past President - I. L. Brakensiek, Quincy

Directors

District 1 - C. E. Wick, Pearl City
District 2 - Robert Vogen, Marengo
District 3 - Dean Sims, Liberty
District 4 - J. W. Berger, Charleston
District 5 - L. T. Clark, Olney

Teacher Welfare Committees - J. W. Berger, Director in Charge

Banquet and Awards Committee
J. A. Twardock, Champaign, Chairman
K. W. Knell, Mahomet
Kermit Esarey, St. Joseph
Charles Schettler, Wapella

Research Committee
V. M. Bokemeier, Freeport, Chairman
Keith Wehner, Rochelle

History Committee
A. V. Meadors, Morris, Chairman

F.F.A. Relations Committees - Dean Sims, Director in Charge

Junior Division, State Fair, Advisory Committee
J. H. Litchfield, Knoxville, Chairman
Robert Davis, Stanford
B. A. Tomlin, Roseville
C. L. Harn, Fairview
C. N. DeHart, Greenview

Judging Contests and Contest Awards
Willis Woods, Pleasant Hill, Chairman
John Shields, Shannon
Robert Edwards, Waterman
Willis McKinney, Mt. Auburn
Harold Bishop, Eldorado

Representatives to F.F.A. Foundation
K. W. Knell, Mahomet
R. E. Brown, DeKalb
William Martinie, Minonk
Arthur Eicken, Augusta
Max Grinnell, Brownstown

Professional Relations Committees - Dean Sims, Director in Charge

I.V.A. Convention Educational Exhibits Committee - Dean Sims, Director in Charge
William Martinie, Minonk, Chairman
Kenneth Condit, Washburn
O. C. Holt, State Office

I.V.A. Legislation - C. E. Wick, Director in Charge
Robert Howey, Sycamore, Chairman
Carl Brock, Greenville

Professional Improvement Committees - C. E. Wick, Director in Charge

Advisory Committee to Vo-Ag Service, College of Agriculture
Duane Gregory, Sherrard, Chairman
M. J. Nichol, Maroa
Ronald Meyer, Cissna Park
Frank Young, Washington
Jesse Keyser, Lawrenceville

Advisory Committee to Agricultural Education Division, College of Education
Guy Petty, Carrollton, Chairman
James Savage, Marseilles
Arthur Schick, Sterling
R. E. Dagner, Assumption
Leon Mayer, Teutopolis

Representatives, Curriculum Study Committee of I.C.P.
A. V. Meadors, Morris, Chairman
James Golby, Kewanee

Public Relations Committees - Robert Vogen, Director in Charge

Resolutions Committee
Charles Fisher, Pittsfield, Chairman
R. D. Eiler, Highland
Stuart Montooth, Earlville
Dean Finch, Forreston
Luther Martz, Windsor

Public Information Committee
C. J. Kuster, Normal, Chairman
V. A. Green, Rushville
Warren Schmit, Oregon
Sam Wegman, Tremont
Paul Walker, Newton
V. E. Burgener, State Office

Newsletter
Ray Dunn, Galesburg
I. L. Brakensiek, Quincy

Program Coordination - Harold Drake, Vice President in Charge

I.V.A. Agriculture Division Convention Program
Harold Drake, Waterloo

Farming Program Record Book Committee
Robert Liehr, Morrison, Chairman
M. V. Heiderscheid, Auburn
Dean Sims, Liberty
William Marshall, St. Charles
G. Donovan Coil, Tolono
Bill Doerr, Raymond
Louis Templeton, Pinckneyville
George Irvine, Tonica
R. F. Espenschied, U. of I.
G. P. Deyoe, U. of I.
J. H. Herbst, U. of I.
Ralph Guthrie, State Office

Other Committees

Membership
Keith McGuire, Polo

I.V.A. Representatives
Harold Drake, Waterloo
I. L. Brakensiek, Quincy

Convention Notes

Illinois had excellent representation at the N.V.A.T.A. and A.V.A. convention which was held in Buffalo August 9-15.

Other Vo-Ag teachers from Illinois who were present were Vice President Harold Drake, Past President I. L. Brakensiek, J. W. Berger, C. E. Wick, and J. A. Twardock.

Our state was well represented by several other men, including J. E. Hill, H. R. Damisch, Dr. H. M. Hamlin, Dr. G. P. Deyoe, Dr. Lloyd J. Phipps, Dr. A. H. Krebs, Melvin Henderson, H. F. Engelking, and O. C. Holt. Dr. Phipps served as secretary of the A.V.A. Agricultural Education Division at the Executive Council meeting and the business meeting.

The N.V.A.T.A. regional meetings were held on Saturday and Tuesday. Region IV meetings were conducted by Vice President Paul Mechling of Ohio. The exchange of ideas at these sessions was of much value to all of us, including delegates from Illinois, Ohio, Missouri, Michigan, Indiana, and Kentucky. Our state report was given by Harold Drake on "The F.F.A. Foundation in Illinois." The information on our Foundation was well presented by our vice president. The other states represented are quite anxious to find out about our Foundation set-up here in Illinois. In fact, Missouri is in the process of organizing its F.F.A. Foundation at the present time, using Illinois as a guide.

On Saturday evening the N.V.A.T.A. held the State Presidents' dinner. Following the meal each president answered the roll by presenting a problem from his state. Your president reported that we needed to work out a coordinated program with our new teacher-trainer institution, Southern Illinois University. Again this year the majority of the presidents stated that public relations was the major problem confronting them.

The state supervisors, teacher trainers, teachers of agriculture, and their wives were entertained at luncheon on Tuesday by International Harvester and on Wednesday by the Atlantic and Pacific Tea Company. On Wednesday morning the N.V.A.T.A. was entertained at breakfast by the Allis-Chalmers Mfg. Co. Mr. Chester Lauk, formerly Lum of the team of Lum and Abner and now executive assistant with the Continental Oil Company, was the main speaker. The theme of his speech centered upon our system of free enterprise and the importance of maintaining our freedom in this country.

The newly elected officers of the N.V.A.T.A. for 1958-1959 are:

President - Luther Hardin, Arkansas
Treasurer - Paul Mechling, Ohio
Executive Secretary - James Wall, Nebraska
Region IV Vice President - George Buchanan, Kentucky

In following issues of the newsletter, I hope to share with you some additional information obtained at the convention that may be of value to you as fellow teachers.

After attending the National Convention, I came home with a better understanding of problems in other states and how fortunate we are here in Illinois.

Wanted

My closing plea is that all of you who are associated with vocational agriculture send me news for the newsletter. The exchange of ideas among us should be of the greatest help in our teaching programs. All of us want to know about the activities on the state, district, and sectional levels. Mail all news to Ray Dunn, 840 South Farnham Street, Galesburg, Illinois. Mail the news by the 10th of each month.

VO-AG SERVICE

Announcements & Notes

Adult and/or Young Farmer Courses for the Past Ten Years. H. R. Damisch, Chief of Agricultural Education, has sent us the names of 56 high school vocational agriculture departments that have conducted the reimbursed out-of-school program for adult and/or young farmers for the 10 years from 1948-49 to 1957-58 inclusive. Listed by sections, those schools are as follows:

Section 1

Mt. Morris
Oregon
Rockton

Section 2

Milledgeville

Section 3

Annawan
Galva
Geneseo
Walnut
Woodhull

Section 5

Bradford
Wenona

Section 6

Marengo
McHenry
Woodstock

Section 7

Rochelle

Section 8

Marseilles
Minooka
Oswego

Section 9

Bellflower
El Paso
Normal
Odell

Section 10

Braidwood
Chicago Heights
Cissna Park
Crescent City
Kempton
Momence
Peotone
Watseka

Section 11

Macomb

Section 12

Mackinaw

Section 16

Macon
Wapella

Section 17

Gibson City
Mahomet
Melvin
Paxton
Piper City
Roberts
Tolono
Tuscola

Section 18

Brocton
Potomac
Ridge Farm
Rossville

Section 19

Assumption
Farmersville

Section 20

Charleston
Kansas
Martinsville
Neoga
Newton
Oblong

Section 21

Brownstown

Section 24

Pinckneyville

Agronomy Day - September 11. According to an announcement received from the Department of Agronomy, "the latest results of research in crops and soils will be displayed at the second annual Agronomy Day on the University of Illinois Agronomy Farm on September 11. UI agronomists R. W. Jugenheimer and J. W. Pendleton, chairman of the event, extended an open invitation this week to all farmers and others who are interested. Tours will begin at 9:30 a.m. central daylight time.

"Featured in this year's field day are new developments in hybrid corn breeding, including high-oil and high-protein types, dwarf corn, and a special type called tetraploid. For soybean growers, research workers will show the newest varieties, row spacing and plant population tests, water use research and experiments with gibberellic acid on soybeans. Other tour stops will include tests with different types of nitrogen fertilizers, corn root growth studies, rotations and soil treatments, alfalfa varieties, minimum tillage, grain sorghums, and broomcorn."

We are sorry that we could not include this announcement in the August issue of the AIDS, but we did not receive it until after that issue had been mimeographed.

M.H.

Fall Experiment Field Meetings. The Agronomy Department has announced its series of 1958 fall experiment field meetings as follows:

Date	Field	County
September 4	Newton	Jasper
September 5	Toledo	Cumberland
September 9	Oquawka	Henderson
September 11	Urbana - Agronomy Day	Champaign
September 12	Brownstown	Fayette
September 16	Elwood & Joliet	Will
September 17	Carthage	Hancock
September 18	Clayton	Adams
September 19	Carbondale	Jackson

You are particularly invited to attend the meeting in your area.

In the past the Agronomy Department has held a limited number of meetings especially for students from one or more schools. If you are interested in scheduling such a meeting, contact the personnel at your nearest experiment field, your farm adviser, Professor L. B. Miller of the Agronomy Department, or Vocational Agriculture Service.

M.H.

Changes in the List of Power Supplier Representatives. Mr. Wayne D. Jones, chairman of the Vo-Ag Electrification Projects Committee, has sent us three changes to be made in the list of power supplier representatives:

Sec. 11 - Lester Aeilts, Western Ill. Elec. Co-op.,
Carthage, Illinois

Sec. 13 - Roger Mohrman, Adams Elec. Co-op.,
Camp Point, Ill.

Sec. 21 - Andy Bird - Tri-County Elec. Co-op.,
Mt. Vernon, Ill.

If additional changes occur during the year, we will try to report them to you as soon as possible.

M.H.

Items for Tractor Maintenance Laboratory Work. At the July short course on tractor maintenance, it was suggested that Vocational Agriculture Service purchase items of tractor tune-up equipment for sale to schools. These items were displayed at the time of the June Conference and were used in the short course. Vocational Agriculture Service cannot stock these items but is willing to accumulate orders and purchase and distribute the items if there is sufficient interest. Following are the items and the prices which were charged last May. We assume that there many be minor changes plus delivery charges.

Kit containing compression tester, vacuum gauge, and timing light.....$13.35
(Individual items priced: compression tester $4.95, vacuum gauge $5.98, timing light $3.69.)

Battery hydrometer.....1.35
Battery cell tester.....3.25
Flat feeler gauge (6 inch, 9 leaf)..... .60
15 pc. set of ignition wrenches.....2.95
Speed indicator.....2.50
Spark-plug gap gauge (wire type)..... .40
Tire pressure gauge (tractor type).....1.15
2 spark-plug wrenches (for 14 mm. and 18 mm.)..... .70

If you wish to purchase any of these items, send your order so that we will have it before October 1, 1958. We will place a composite order at that time if there is sufficient interest and will send you the items when available.

J.W.M.

State Judging Contest Results, 1958. Winners of the 1958 State Judging Contest were as follows:

Livestock.....Mason City
Dairy.....Orangeville
Poultry.....Polo
Grain.....Windsor

Mason City and Polo have probably already been notified by the State Office of their participation in the National Contest in Kansas City in October. We assume, likewise, that Orangeville knows that its team will judge at Waterloo the latter part of September. Of course, there is no national contest in the grain division.

M.H.

Problem and Key for Use With Illinois Farm Account Book. By October 1 or shortly thereafter, we expect to have ready for distribution copies of the new (1958) farm account problem and key for use with the Illinois Farm Account Book. We are willing to accept orders at this time with the understanding that shipment will be made as soon as these materials are available. Teachers who prefer to examine the problem before ordering and who are Agricultural Release subscribers may wish to defer their orders until they receive a copy with the Releases. If the materials are available at the time, copies will be sent with the October Releases. If not, they will be sent with the November Releases.

Apparently the number of pages will remain essentially the same as in the preceding problem and key, and consequently the price will be the same. The problem will be 25 cents a copy for 1 to 5 copies or 10 cents a copy for 6 or more. The key

will be 50 cents each regardless of number ordered. Schools not having an open account with Vocational Agriculture Service should remember our policy of asking that payment accompany orders totaling less than $5.00. The prices quoted are f.o.b Urbana. Consequently, payment, when sent, should include postage charges.

M.H.

Revision of AIDS Mailing List. Letters were sent several weeks ago regarding changes to be made on our mailing list for issues of the Vo-Ag AIDS. Changes are to be in our office by September 15, and those who are not vocational agriculture teachers in Illinois but who wish to have their names remain on our list should return the cards to our office by that date. The changes and deletions will be effective with the October issue.

M.H.

Weekly Packets of News Items. Through the thoughtfulness of Hadley Read, vocational agriculture teachers can have their names added to a list to receive weekly packets of news items. Several vocational agriculture teachers are already on the list as a result of a similar announcement made some years ago. It should be understood that this material is being sent to you only for your information and not to publish in local papers. If you are not receiving the weekly packets and wish to receive them, send your request to Vocational Agriculture Service. All such requests should reach us before October 1.

M.H.

Educators Guide to Free Slidefilms. Again we are indebted to the Educators Progress Service for making available to our office a copy of their "1958 Educators Guide to Free Slidefilms." This 10th annual edition replaces previous ones. According to the publisher's foreword, it contains 703 titles, 102 of which are new. Listed are 632 slidefilms as well as 71 sets of slides; apparently these are from 98 different sources. Of the free slidefilms, 42 may be secured and retained permanently by the school without charge.

Also, according to the publisher's foreword, "The SLIDEFILM GUIDE, completely revised each year, is designed to provide the most comprehensive information service possible on currently available free slidefilms and slides, thus bringing to the boys and girls of your community rich educational experiences they otherwise could never enjoy."

The price of the 10th annual edition of the guide is $6.00. Copies should be ordered direct from Educators Progress Service, Randolph, Wisconsin.

M.H.

Guide to Free Curriculum Materials. A second Guide to Free Curriculum Materials from the Educators Progress Service was received in our office after the August issue of the AIDS. It is entitled "Elementary Teachers Guide to Free Curriculum Materials." Copies are $6.50, and orders should be sent direct to Educators Porgress Service, Randolph, Wisconsin.

The foreword states, "The content of the GUIDE has been limited to about 1,200 titles. Less than 50 percent of available acceptable listings have been used. These two factors combine to make the materials listed in this edition highly selective.... Some materials listed in this edition are available only to subscribers to the GUIDE; they are not for sale or distribution in any other manner... Again, new titles are starred (*)--525 of the 1,255 titles, 41.8 percent new."

M.H.

Introductory Horticulture. Since the August issue of the AIDS, we have received a copy of "Introductory Horticulture" from the McGraw-Hill Book Company. Information accompanying the book states:

> "The emphasis throughout this fine new book is upon principles rather than rule-of-thumb directions, but the treatment of major crops is sufficiently complete to permit the book to serve as a cultural guide. The book is well illustrated and contains a list of selected references and review questions.
>
> "Introductory Horticulture" is divided into two general sections:
>
> 1 - provides a background in basic science and such subjects as soils, fertilizers, propagation, and growing structures
>
> 2 - treats specific horticultural crop groups, such as fruits, vegetables, and flowers
>
> "Recent advances covered are: chemical weed control, photoperiod as it affects flowering and hardness, mulches, soil conditioners, hormones in propagation, fruit thinning, canning nursery stock, and climate control on landscaping.
>
> "Basic principles of plant growth are developed where practical in connection with growing problems for specific crops. The practical need for detailed knowledge is shown.
>
> "Great emphasis is placed on the ornamental crops and small property and suburban needs, rather than merely on large-scale commercial operations.
>
> "Definite departures from the usual treatment in other texts are (1) the emphasis on ornamentals and (2) the interspersing of specific growing recommendations with a consideration of pertinent basic principles.
>
> "Climate, a subject not usually treated in much detail in books of this kind, is covered in a separate chapter.
>
> "Also noteworthy are the chapters on home landscape and on nurseries and aboriculture, which help to provide a more complete coverage of the field."

The copy that we have in our library is available for review by interested teachers. Those desiring copies should send their requests to McGraw-Hill Book Company, Inc., 330 West 42nd Street, New York 36, New York. The price is $7.50.

M.H.

AGRICULTURAL EDUCATION NEWS

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

September, 1958

Distribution and Use of Allerton Report. The report of the Study Group on Agriculture, Allerton House Conference on Education, is now being distributed. It is entitled, "Replanning Agricultural Education in Illinois Schools." A 20-page summary will be sent to the 3,500 persons who receive all reports of the Conference; administrators in schools teaching agriculture will be included. The summary will also be sent to all teachers of agriculture in Illinois. When available, additional copies of the summary and the complete 50-page report may be purchased from Vocational Agriculture Service, College of Agriculture, or the Office of Field Services, College of Education, University of Illinois. Prices of single and multiple copies are indicated in the summary volume and will be announced in the AIDS when copies are ready for distribution.

The 35 persons who comprised the Study Group believe that the report can be used by boards of education, citizens committees, school staffs, and individual lay citizens and professional workers in replanning local programs of agricultural education. They hope that it will also be used by legislators and others interested in replanning agricultural education at the state level. It will be discussed at a meeting of teachers of agriculture, administrators, board and citizens committee members in Section 22 at Mascoutah on October 8.

H.M.H.

Dr. Hemp Added to Staff in Agricultural Education. Dr. Paul E. Hemp has begun his work as assistant professor of agricultural education. His principal responsibilities in his first year will be the course for first-year teachers and student teaching. Dr. Hemp grew up at Illiopolis, Illinois. He holds three degrees from the University of Illinois. He taught vocational agriculture for six years at Wenona, Illinois. Recently he has spent one year at the University of Vermont and two years at Purdue University.

H.M.H

A.V.A. Committee on Public Information. H. M. Hamlin is chairman of a Committee on Public Information established by the Executive Committee of the American Vocational Association. The group held its first meeting in Buffalo, New York, on August 11. Prior to August 7, 43 persons had accepted membership on the committee and 20 had indicated that they would attend the Buffalo meeting. The group includes vocational educators, school administrators, journalists, and individuals from agriculture, business, and industry interested in vocational education. Four principal tasks were proposed for the group:

1. To decide what ought to be said to the American public about vocational education.

2. To see that materials are prepared which could be used by the media of mass communication.

3. To locate examples of vocational education which should be publicized.

4. To help those who are engaged in mass communication get the information about vocational education they would like to have.

H.M.H.

Finance Study. Dr. William P. McLure, director of the Bureau of Educational Research, College of Education, University of Illinois, will direct a study of methods of financing vocational education in Illinois, to be conducted with funds provided by the Office of the State Superintendent of Public Instruction. He will be aided by a committee that now includes J. E. Hill and E. M. Claude of the staff of the State Board of Vocational Education and M. R. Karnes, Van Miller, and H. M. Hamlin of the staff of the University of Illinois College of Education. The study is designed to aid in formulating proposals that can be put before the General Assembly in 1961. Dr. McLure is one of the leading authorities on school finance in the United States. He is a consultant on finance to the New York State Education Department, and he has assisted in planning programs of school finance in several other states. Plans call for the employment of a full-time research associate, a part-time research assistant, and clerical help to assist Dr. McLure and the committee.

H.M.H.

Summer Session Report. Ninety-seven teachers of vocational agriculture attended summer school at the University of Illinois in 1958. They came from all of the five districts and from 23 of the 25 sections. The largest attendance from one section was 9 from Section 15. Attendance by districts was as follows: District 1, 14; District 2, 17; District 3, 23; District 4, 27; District 5, 16. Out-of-state students interested in agricultural education included two from Mississippi, one each from Iowa and Tennessee, and one from Ethiopia.

Meetings of the summer organization of teachers of agriculture, now in its 21st year, were well attended. Speakers at its three programs were Associate Dean Harold W. Hannah and Professor R. I. Shawl of the University of Illinois College of Agriculture, and James Warmbrod, vocational agriculture teacher, Belvidere, Tennessee. One meeting of the group was devoted to a report of members of the Workshop on General and Non-Vocational Agriculture.

The program committee for the summer organization consisted of Leland Ashby, Bunker Hill; Donald Barrett, Huntley; James Brim, Franklin; Eldon Chapman, Herscher; Jewel Jenne, Altamont; Wayne Kern, Colchester; Roland Pettit, Galena; and G. P. Deyoe, faculty representative.

H.M.H.

Publications of the Division of Agricultural Education. The following publications of the Division of Agricultural Education are considered most likely to be of interest to teachers of vocational agriculture. Their sources and costs, if any, are indicated.

Source Units in Money Management

Developed by Illinois teachers of vocational agriculture under the supervision of George P. Deyoe in Workshop on Education in Family Finance. These are for the use of taachers and normally

a teacher would order only one copy of each source unit. Available from Vocational Agriculture Service.

1. Transfer of Property by Farm People. 20¢
2. Selecting and Using Credit by Farm People. 20¢
3. Saving and Investing by Farm People. 15¢
4. Selecting and Buying Insurance by Farm People. 50¢
5. Common Stock Investments for Farmers. 15¢
6. Spending the Farm Family Income. 15¢
7. Planning to Increase Farm and Farm Family Earnings. 15¢
8. The Use of an Operating Agreement in the Establishment of a Farm Boy in Farming. 15¢

Methods and Materials

George P. Deyoe. Methods and Materials for Teaching Vocational Agriculture to High School Students. Illustrated bulletin. Office of Field Services, College of Education. 80 p. $1.00.

A. H. Krebs. Problem Areas. Division of Agricultural Education. 5 p. Free.

Supervised Farming

L. J. Phipps. Supervised Farming Programs in Illinois. A Bureau of Educational Research publication, distributed free by the Division of Agricultural Education. 39 p.

A. H. Krebs. Motivation for Record-Keeping. Division of Agricultural Education. 3 p. Free.

Adult Farmer Education

L. J. Phipps. Public School Adult Farmer Education in Illinois. A Bureau of Educational Research publication distributed free by the Division of Agricultural Education. 27 p.

Parent Meetings

A. H. Krebs. Special "Parent" Meetings for Every Class. Division of Agricultural Education. 4 p. Free.

Education of Part-Time Farmers

George P. Deyoe. Part-Time Farming in Illinois. Division of Agricultural Education. 27 p. Free. (Copies of this publication were once mailed to all schools teaching vocational agriculture.)

Occupations of High School Graduates in Vocational Agriculture

A. H. Krebs. First Jobs of Vocational Agriculture Graduates of Illinois High Schools. Division of Agricultural Education. 12 p. Free.

College Attendance by High School Students in Vocational Agriculture

A. H. Krebs. Vocational Agriculture Seniors in Illinois Planning to Attend College and Their Reasons for Choice of College. Division of Agricultural Education. 12 p. Free.

Occupational Choices of College Freshmen in Agriculture

A. H. Krebs. Factors Involved in Vocational Choices of Students Enrolled in Agricultural Curricula. University of Illinois. Division of Agricultural Education. 18 p. Free.

Citizens Committees

H. M. Hamlin. Citizen Participation in Local Policy-Making for Public Education. Office of Field Services, College of Education. 48 p. 50¢.

H. M. Hamlin. Policies, Procedures, and Rules for a Citizens Consulting Committee for Agricultural Education. Division of Agricultural Education. 5 p. Free.

Agriculture and Education

H. M. Hamlin. Revolution in Agriculture: The Educational Problem. Division of Agricultural Education. 11 p. Free.

Educational Outlook

H. M. Hamlin. The Educational Outlook. Address Before Conference of Illinois Teachers of Vocational Agriculture, June 17, 1958. 11 p.

H. M. Hamlin. Schools for Our Times. Address Before Conference for School Administrators and School Board Members, South Dakota State College, March 11, 1958.

Teaching Vocational Agriculture

Teaching Vocational Agriculture as a Career. Joint publication of College of Agriculture and Division of Agricultural Education. 6 p. Free from either source.

Graduate Work in Agricultural Education

Graduate Program for Agricultural Educators at the University of Illinois. Division of Agricultural Education. 12 p. Free.

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August 20, 1958

PRICE LIST OF FEEDS[1/]

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 ton in dollars
Corn, bu.	$ 1.22
Corn, ground, bu.	1.29
Oats, bu.	.52
Oats, ground, bu.	.59
Barley (feed), bu.	1.00
Barley, ground, bu.	1.07
Hominy feed, ton.	62.00
Wheat bran, ton	47.00
Shorts and standard middlings, ton.	48.00
Flour middlings, ton.	50.00
Red Dog flour, ton.	55.00
Soybean oilmeal (44% protein), ton, solvent extracted	73.00
Linseed meal (34% protein), ton, solvent extracted.	70.00
Cottonseed meal (41% protein), ton, solvent extracted	78.00
Gluten feed, ton.	53.00
Tankage, ton.	135.00
Blood meal, ton	145.00
Beef scrap, ton	130.00
Steamed bone meal, ton.	93.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.65
Whole milk, cwt.	3.55
Corn silage, ton.	8.00
Grass silage, ton	
No preservative added	6.00
Preserved with 70-100 lb. molasses.	7.00- 8.00
Preserved with 150-200 lb. ground corn.	10.00-11.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	13.00
Soybean hay) for baled hay.	14.00
Alfalfa hay) and straw.	17.00
Timothy hay)	16.00
Corn stover, ton.	12.00
Oat straw, ton.	11.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6¢/head/day
Calves and colts, 12 to 24 months old, 7¢/head/day
Cattle, 24 months and older, 13¢/head/day
Pigs, 50 to 100 pounds, 1/4¢/head/day
Pigs, 100 to 150 pounds, 1/2¢/head/day
Pigs, over 150 pounds, 1¢/head/day
Lambs up to weaning, 1¢/head/day
Sheep or lambs after weaning, 2 1/2¢/head/day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois

AIDS, September 1958

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

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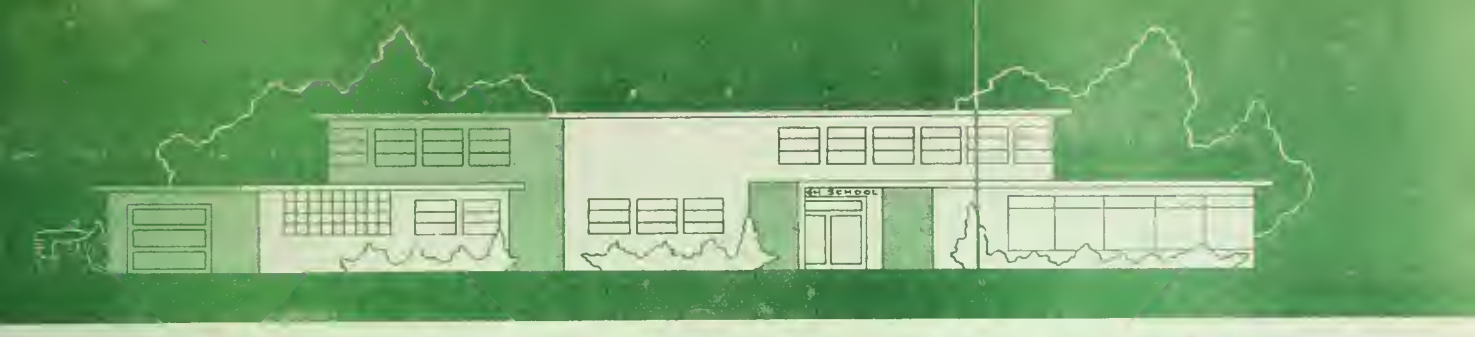

AGRICULTURAL EDUCATION NEWS

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

October, 1958

Staff for Finance Study. Three staff members have been employed to assist with the study of vocational education finance in Illinois. They will work under Dr. William P. McLure, director of the study.

Dr. George C. Mann will be Dr. McLure's chief assistant. Dr. Mann retired a year ago as Chief of the Bureau of Adult Education, California State Department of Education. His bureau was concerned with vocational and general adult education. He was once State Director of Vocational Education in Arizona. Dr. Mann is one of the most distinguished persons in the field of adult education.

Mr. Jerome Moss, Jr., graduate student in industrial education, has been employed half time for the study. A full-time secretary has also been employed.

Members of the University staff who are members of the committee for the study will contribute a considerable amount of time to the study. They are W. P. McLure, Director, Bureau of Educational Research; Van Miller, Professor of Education (school administration); M. R. Karnes, Chairman, Division of Industrial Education; and H. M. Hamlin, Chairman, Division of Agricultural Education.

J. E. Hill, State Director of Vocational Education, and E. M. Claude, Chief in Industrial Education, State Board of Vocational Education, are other members of the committee. A good deal of their time and the resources of the State Board of Vocational Education will be made available for the study.

Funds for the study are provided by the Office of the Superintendent of Public Instruction. The work will continue at least until June 30, 1959, and probably beyond that date. It is hoped and expected that no change in methods of providing state funds for vocational education will be made until the study can be completed. H.M.H.

Course for Beginning Teachers, 1958-59. Thirty-four teachers of vocational agriculture have been enrolled in Education 370, the course for first-year teachers. Nine groups of these teachers will hold four meetings each at Bowen, Cisne, Dakota, Freeburg, Henning, Kewanee (Wethersfield), Taylorville, Toluca, and Ullin. Problems encountered on the job by enrollees provide the basis for most of the instruction. Each teacher will be visited by the instructor, Dr. Paul E. Hemp. H.M.H.

Education E477 Offered at Two Centers in the Fall Semester. During the fall semester, Education E477, Field Studies in Agricultural Education, is being offered at Eldorado and Nashville. Eight meetings will be held in late afternoons

and evenings. Each teacher who is enrolled will be visited in his department. Preliminary indications are that about 16 or more teachers will enroll. G.P.D.

Educational Meeting in Springfield of Interest to Teachers of Vocational Agriculture and Others. On Saturday, November 1, an important educational meeting in Springfield is planned by the Illinois Committee on Rural Education of the NEA. Representatives from three school systems will describe how their educational programs are designed to reach the goals of reorganization and meet current challenges. These school systems are Bethalto, Norris City, and Taylorville. This program should be of value to teachers of vocational agriculture as well as to other professional people and lay persons. The meeting is scheduled from 9:45 a.m. to 12:30 p.m. in the auditorium of the Centennial Building, Springfield. G.P.D.

Allerton Report. Copies of the brief (23-page) report of the Study Group on Agriculture of the Allerton House Conference on Education are now available from Vocational Agriculture Service, College of Agriculture, or the Office of Field Services, College of Education. Single copies cost 25 cents; 10 or more copies are 20 cents each. The more extensive report (about 60 pages) will be ready by January 1. It will be priced at 60 cents; 10 or more copies will be 48 cents each. Copies of the brief report are being mailed, without charge, to all Illinois teachers of vocational agriculture and to all chief administrators (superintendents or principals) in the schools in which vocational agriculture is taught. H.M.H.

Placement Summary for 1957-58. Forty-two teachers of vocational agriculture were qualified by the University of Illinois in 1957-58. Twenty-one of the 42 are now teaching agriculture in Illinois. Seven are in the armed services. Nine chose to continue their education in the Graduate College at the University of Illinois. Two accepted non-teaching jobs and two are farming. Ten returning servicemen were placed in vocational agriculture teaching positions in Illinois. Seven former teachers of agriculture in Illinois returned to vocational agriculture teaching from non-teaching jobs during 1957-58. Three beginning teachers entered vocational agriculture teaching after completing their master's degrees at the University of Illinois. L.J.P.

Present Placement Situation. As of September 15, five teaching positions were still listed as vacant. There were seven inexperienced teachers and five experienced teachers available to fill these positions. Most of the available men are either returning from service or working in non-teaching occupations. A.H.K.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

All of us should have that forward look in agriculture. With our population increasing at a rapid rate and our per capita incomes continually rising, we need more than ever to expand our agricultural production.

Along with this increase in farm production, more business and industrial firms will be needed to process and supply farm commodities to consumers.

We as agriculture teachers have a wonderful opportunity to promote a good agricultural public relations program in our home communities.

In addition to farming, all of us can emphasize the excellent opportunities that lie within the fields of agricultural research, business, education, services, and communications.

Let's all keep talking agriculture.

Convention Notes

During the N.V.A.T.A. Convention much emphasis was placed on the young farmer program. P. G. Chastain, assistant supervisor of agricultural education, South Carolina, stressed the point that all of us, by necessity, will have to change our attitudes toward the young farmer program and assume the responsibility that we have for these young out-of-school people. Mr. Chastain also stated that if a young farmer program is to be successfully carried on, the average teacher must be released of many of his other responsibilities.

Milo J. Peterson, head of the Department of Agricultural Education, University of Minnesota, indicated that we must use a lot of general education in our vocational agriculture programs if we are to do a good job.

Throughout the convention much emphasis was placed on training young farmers and developing training programs for agricultural occupations.

The Thirty-Minute Club

For each article you have published, send a clipping to Ray Dunn, 840 South Farnham Street, Galesburg, Illinois. We want to present many membership cards in "The Thirty-Minute Club" at our June banquet.

Membership

A.V.A. membership is from December 1 to November 30, I.A.V.A.T. from July 1 to July 1, and N.V.A.T.A. from July 1 to June 30. The Ag. Ed. magazine starts as soon as the subscription is received by the Interstate.

Keith McGuire, our secretary-treasurer, will send membership cards within a short time after receiving the dues.

New Appointments

J. A. Twardock, Champaign, replaces John Ewan of Henry as I.V.A. treasurer. John is now employed by the Central Illinois Light Company of Peoria.

Jesse Keyser, Lawrenceville, was appointed a committee member on the Vo-Ag Service Advisory Board. Jesse replaces L. R. Frye of Cisne, who has left vocational agriculture teaching.

Additional Committees

I. L. Brakensiek, Quincy, and G. Donovan Coil, Tolono, are representing the I.A.V.A.T. as the initial committee to help work on a new State Plan for Vocational Agriculture. Mr. Damisch is in the process of bringing together all groups concerned in order to develop a revised State Plan.

Harold Drake, our vice-president, and Paul Glaeser, Alton, are going to work with Mr. Henderson and his staff in planning the short courses for our 1959 June Conference.

Committee Activities

Robert Liehr, chairman of the Record Book Committee, called a meeting in Springfield on September 20. The purpose of this meeting was to discuss the need for minor revisions, correction of possible errors, and suggestions for major changes that should be considered in the future regarding the record book.

The Illinois Vocational Association Planning Committee met in Peoria on September 20. Your president and vice-president met with this group. Vice-President Harold Drake is chairman of the agriculture section of the program, and he would welcome any suggestions you may have. More information concerning the program will appear in later issues of the newsletter. Plan now to attend the I.V.A. Convention in Peoria on March 19, 20, and 21, 1959.

I.A.V.A.T. Budget for 1958-59

Estimated receipts:

Dues	$4,800
I.V.A. Convention	$ 400
State judging contest	$ 500
Total	$5,700

Estimated expenses:

A.V.A. dues	$2,650
N.V.A.T.A. dues	$ 800
I.V.A. dues	$ 200
Ag. Ed. subscriptions	$ 350
Judging contest	$ 600
Convention expense	$ 600
Committee expense	$ 80
Sec.-Treas. salary	$ 125
Postage	$ 150
Miscellaneous	$ 75
Surplus	$ 70
Total	$5,700

Sectional News

Section 3. An outstanding job of publicity was done for the vocational agriculture fair held at Cambridge. Allan Utech handled the publicity in an organized way which was complimented highly by the Moline Daily Dispatch.

This type of public relations should be one of the best means of publicizing our summer programs.

Section 4. Section 4 lost two departments and gained a new one.

Monmouth and Terre Haute closed their departments this summer. Leon Hallberg, former instructor at Monmouth, is now in the advertising department of the DeKalb Hybrid Corn Company. Kenneth Sallee, formerly at Terre Haute, is now grade school principal at Media.

Eldon Auperle is the agriculture teacher of the new All-Rural District 222, located just east of Monmouth.

Section 6. Section 6 is the first to report to Keith McGuire with dues and 100 percent subscriptions to our professional magazine, Agriculture Education.

NEWS WANTED

Send to: Ray Dunn
840 South Farnham Street
Galesburg, Illinois

VO-AG SERVICE

Announcements & Notes

Order Card. Each copy of the October AIDS will include a card on which we have listed the new items from Vocational Agriculture Service being announced for the first time in this issue. This listing is based on a suggestion made by teachers at meetings in the various sections. The plan will be continued if it seems to be helpful. All you need do is to fill out and return the card to our office. If you have an open account, or if the charge is more than $5.00, payment need not accompany your order. M.H.

A New Color Slidefilm--CHRISTMAS TREE PRODUCTION. This slidefilm cites the advantages of growing Christmas trees as an economic crop. Closeup color pictures are used to illustrate the different species of pine, fur, cedar, and spruce to aid the grower in choosing between different species.

Detailed instructions are given for planting under different soil conditions, as well as suggestions for preventing damage by livestock, fire, insects, and competing grasses and trees.

Pruning and shearing practices are illustrated in detail to help the grower get a more desirably shaped tree with denser foliage.

This color slidefilm was first announced and displayed at the 1958 June Conference. It contains 54 frames and is available in double-frame prints only, priced at $3.75, f.o.b. Urbana. R.F.E.

Illinois Farm Record Book. Either the 1958 record books or the copies being printed for use in 1959 will be suitable for working out the 1958 Farm Record Problem. Sheets from the 1958 books were photographed in preparing the Teacher's Key for the problem, and brief notes were included to show how the 1959 books would differ. Thus, there should be very little difficulty in following the Teacher's Key with either edition. J.H.H.

Problem and Key for Use With the Illinois Farm Record Book. With the October Agricultural Releases, we included a copy of the 1958 problem for use with the Illinois Farm Record Book. Back orders have not yet been filled, but they should be filled by October 10. Copies are 25 cents each for 1 to 4 and 10 cents each for 5 or more. Copies of the Teacher's Key are 50 cents each, regardless of number ordered. Prices are f.o.b. Urbana. M.H.

Agronomy Facts - Volume V. We understand that Volume V of Agronomy Facts is now ready for distribution. This volume is similar to the preceding ones and, like the last three, is priced at $1.00 per copy. Orders may be placed through the Information Office or through Vocational Agriculture Service. If placed through the Information Office, payment should accompany orders. If placed through our office, payment need accompany orders only if the school or individual does not have an open account with us for the year and if the total order is less than $5.00. M.H.

Soil Moisture Filmstrip and Tape Recording. Most areas of Illinois have had adequate moisture this year, but what will the situation be next year? This winter is a good time to let your students see the filmstrip and hear accompanying tape recording on "Soil Moisture." M. B. Russell, head of the Department of Agronomy, discusses such questions as the following with agriculture teachers Don Coil and Gordon Reichert: Should we use more or less fertilizer in dry years? Will certain crops give better yields in dry years? Is irrigation practical in Illinois? To what extent can we draw on moisture reserve in dry years?

The 25-minute tape recording is on a 7-inch reel at a speed of 7 1/2 inches per second. The filmstrip (T710) is double frame. The combined price for tape and filmstrip from Vocational Agriculture Service is $4.00, f.o.b. Urbana. If you furnish a tape, the price is $2.00. Since there is a minimum of script on the filmstrip, we suggest that the two be used only in combination and not separately. E.L.K.

Plan for Portable Work Bench. With the October Agricultural Releases we included a copy of a one-page plan for a portable work bench. We have a limited number of copies, and any teacher who desires one can obtain it free by requesting it from our office. M.H.

Tool Cabinets. The last of the tool cabinets listed in the August AIDS have now been sold, and we have no plans for making additional ones in the immediate future. M.H.

Thanks. All of us in Vocational Agriculture Service wish to express our sincere thanks for the splendid cooperation we have had in connection with sectional meetings with representatives from our office. When we announced the plan to the sectional chairmen last June, we hoped that at least half of the sections might set dates to meet with representatives from our office and that we might have at least half of the teachers present in sections where the meetings were held. To date 20 meetings have been held, and in practically every case we have had remarkably good attendance. In no case did as few as 50 percent of the teachers attend. We feel that the meetings were extremely valuable in giving us ideas about how we might better help vocational agriculture teachers in Illinois. Again, our sincere thanks to each of you. M.H.

Slidefilm Changes. Because of developments that have been taking place during the past two or three years in the projector industry, Vocational Agriculture Service will discontinue double-frame prints just as soon as our present stock is exhausted. It is possible that we may continue with double-frame prints of colored film, but all others will be discontinued. In the future we will make them in single frame only. If you are interested in double-frame prints of any of the films that we now stock, we suggest that you order in the near future, because we do not intend to replenish any of the films after our present supply is exhausted. M.H.

Lincoln Arc Welding Award Program. During the past month, our office has received a copy of the rules and regulations relating to the $7,000 arc welding award program from The James F. Lincoln Arc Welding Foundation. We assume that copies were sent to all vocational agriculture teachers in Illinois. If you fail to receive your copy and are interested in participating in the program, we suggest that you write direct to The James F. Lincoln Arc Welding Foundation, Cleveland 17, Ohio, for a copy of the announcement. M.H.

Soil Moisture Survey. We have an announcement from Dr. D. B. Peters that single copies of a recent USDA bulletin, "Soil Moisture Survey of Some Representative Illinois Soil Types," by D. B. Peters and L. J. Bartelli, are available directly from his office, 276 Davenport Hall, Urbana. They have about 100 copies and will distribute them as long as the supply lasts.

This bulletin includes color, texture, and structure descriptions of the horizons, the availability of water, and other moisture data for each of 30 representative Illinois soil types. A list is included to show other soils that are similar to each of the selected types studied. M.H.

Coming Dates. The following dates may be of interest to the vocational agriculture teachers:

Sheep Day - Urbana - October 31
Beef Cattle Day - Urbana - November 7
Farm Structures Day - Urbana - November 20 M.H.

Unit Shipment. The first of the 1958-59 unit shipments will probably be made about the middle of October. Single copies of each of the units included in that shipment will be sent to Agricultural Release subscribers, and a list of the units sent will be included in the November AIDS. M.H.

October Agricultural Releases. On Wednesday, October 1, the first releases for the 1958-59 school year were sent to Agricultural Release subscribers. It is probable that they will reach you before this issue of the AIDS. If you are an Agricultural Release subscriber and fail to receive this first shipment, we trust that you will let us know. M.H.

F.F.A. Roadside Signs - Maintenance on. Presumably schools having sets of F.F.A. signs have already received the letter from Mr. Burgener regarding repainting or replacing any of the signs that may need it. You may deliver the signs to our office as soon as convenient, just so it is ahead of the deadline date set in the letter. If your signs need repainting or replacing and you fail to receive the forms from Mr. Burgener, we suggest that you contact him at once. M.H.

Bulletins and Circulars From the College of Agriculture. The following publications are available in the regular manner:

Bulletin 628 - Reclaiming Illinois Strip Coal Land With Legumes and Grasses
Bulletin 629 - Highest Return Farming Systems for Drummer-Flanagan Soils
Bulletin 630 - Farmers' Need for Local Organizations
Bulletin 631 - Experimental Vertical Augers for a Silo Unloader
Circular 792 - Beef Manual for 4-H Club Members
Circular 795 - Burning Tree Stumps With Stumpfyre
Circular 796 - Germinating Flower Seeds
Circular 797 - Corporations in the Farm Business
Circular 798 - Fence Out Animal Diseases
Circular 799 - Housing and Equipment for Growing and Finishing Hogs

Of the foregoing, all but Circular 796 were sent with the October Agricultural Releases to subscribers for 1958-59. We thought this particular publication would be of such limited interest to teachers that it would not be advisable to send it. M.H.

AG-1589--Science and Economics of Soil Fertility. The Information Office tells us that the supply of copies of AG-1589 has now been entirely exhausted. There are no plans at present to revise or reissue it. M.H.

New Books

Understanding Your Car...How It Works...How to Maintain It...How to Inspect It. We have just received from McKnight and McKnight Publishing Company, a copy of their new book entitled "Understanding Your Car." It is approximately 8 x 10 inches and contains more than 125 pages. The foreword states: "The jobs and the related information in this book were prepared for the use of anyone desiring to understand the basic elements of the automobile, and something of the products allied to it.... This book may be used as a class text and job guide, as a manual for simple automobile maintenance, or as a supplement and reference in Driver Education classes."

This is a first edition and the copyright date is 1958. The list price is $1.60; the net school price, $1.20 plus postage. The copy we have in our library is available for review. If you wish copies for your own use, send your request direct to McKnight and McKnight Publishing Company, Bloomington, Illinois.
M.H.

TO: Vocational Agriculture Service
434 Mumford Hall
Urbana, Illinois

Please send the items indicated below, which are listed in the October AIDS, to the undersigned:

_____ prints of colored slidefilm, "Christmas Tree Production" - D. F., at $3.75

_____ copies of the problem for use with the Illinois Farm Record Book

_____ copies of the teacher's key for use with the Illinois Farm Record Book at 50 cents

_____ copies of Volume V, Agronomy Facts, at $1.00

_____ prints of "Soil Moisture" filmstrip and tape recording at $4.00

_____ copies of "Replanning Agricultural Education in Illinois Schools" (Summary of Allerton House Conference)

_____
Signature

_____
Address

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September 24, 1958

PRICE LIST OF FEEDS[1]

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 ton in dollars
Corn, bu.	$ 1.15
Corn, ground, bu.	1.22
Oats, bu.	.53
Oats, ground, bu.	.60
Barley (feed), bu.	.95
Barley, ground, bu.	1.02
Hominy feed, ton.	56.00
Wheat bran, ton	45.00
Shorts and standard middlings, ton.	46.00
Flour middlings, ton.	48.00
Red Dog flour, ton.	50.00
Soybean oilmeal (44% protein), ton, solvent extracted	67.00
Linseed meal (34% protein), ton, solvent extracted.	69.00
Cottonseed meal (41% protein), ton, solvent extracted	76.00
Gluten feed, ton.	52.00
Tankage, ton.	116.00
Blood meal, ton	170.00
Beef scrap, ton	115.00
Steamed bone meal, ton.	95.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	1.70
Whole milk, cwt.	3.40
Corn silage, ton & Sorghum silage	8.00-10.00
Grass silage, ton	
No preservative added	6.00- 8.00
Preserved with 70-100 lb. molasses.	7.00- 9.00
Preserved with 150-200 lb. ground corn.	11.00-13.00
Clover and mixed hay) Add $5 per ton	15.00
Cowpea hay) for baled hay.	13.00
Soybean hay) and straw.	14.00
Alfalfa hay)	16.00
Timothy hay)	16.00
Corn stover, ton.	10.00
Oat straw, ton.	10.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6 cents/head/day
Calves and colts, 12 to 24 months old, 7 cents/head/day
Cattle, 24 months and older, 13 cents/head/day
Pigs, 50 to 100 pounds, 1/4 cent/head/day
Pigs, 100 to 150 pounds, 1/2 cent/head/day
Lambs up to weaning, 1 cent/head/day
Sheep or lambs after weaning, 2 1/2 cents/head/day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

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November 1958

Issued jointly by

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and

Agricultural Education Division, College of Education

University of Illinois

in Cooperation with

Illinois State Board of Vocational Education

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

What is the N.V.A.T.A.? The National Vocational Agriculture Teachers' Association is affiliated with the American Vocational Association. All members of N.V.A.T.A. must be members of the A.V.A.

Our national association is guided by the program of work, which has nine committees. Names of the committees and their chairmen are:

Membership - Paul Mechling, Lancaster, Ohio
Teacher Welfare - Julian Carter, Wellsville, New York
Professional Improvement - Floyd Johnson, York, South Carolina
Public Relations and Publicity - Paul Mechling, Lancaster, Ohio
F.F.A.-N.F.A. Relations - James Hamilton, Audubon, Iowa
Manufacturers Relations - Donald Kabler, Corvallis, Oregon
AVA Relations - Luther Hardin, Searcy, Arkansas
Informations - James Wall, Waverly, Nebraska
Program Coordinating - N.V.A.T.A. Vice-Presidents

What are a few major accomplishments of our N.V.A.T.A.? These achievements include N.V.A.T.A. representation on the A.V.A. Legislative Council, recognition by other national organizations that are important in agriculture, a greater exchange of ideas to help upgrade the entire profession, and participation in establishing an annual Farm-City Week.

Farm City Week

November 21-27 is National Farm-City Week. The N.V.A.T.A. is one of the sponsoring organizations, and Robert Howey is a member of the Farm-City Executive Committee. Bob is doing an excellent job in serving on this very important public relations committee. This week affords all of us a real opportunity to extend our public relations in our local communities.

I.V.A. Convention

Our vice-president, Harold Drake, is in the process of outlining a program for the I.A.V.A.T. Convention, which will be held March 19, 20, and 21 at Hotel Pere Marquette, Peoria.

The I.V.A. educational exhibit committee includes William Martinie, Minonk; Kenneth Condit, Washburn; and O. C. Holt of the state supervisory staff.

Let's have an excellent attendance at the 30th Annual Convention. As more information develops, it will be passed on to you in this newsletter.

Vo-Ag - Farm Advisers Cooperation

Would the vocational agriculture teachers like to cooperate with the farm advisers in a one-day judging refresher course? The proposed intensive course would be held in June at the University of Illinois. This suggestion was made to your president by Mr. Earl D. Peterson, Hillsboro, president of the Illinois Farm Advisers Association. A Vo-Ag - Farm Advisers session such as this could have much value in our public relations program.

Bob Howey Resigns

We are sorry to report that Bob Howey has asked to be relieved as N.V.A.T.A.'s representative on the Farm Safety Council because it involved being away from his local program so often. Bob will continue as Farm-City Week representative. Saying "thanks" to Bob for the many hours he has devoted to our state and national associations is indeed a small token of appreciation.

Committee Activities

Dean Sims attended the joint staff meeting held in Urbana on September 19. Following are some highlights of this meeting: (1) Vocational agriculture enrollments, in general, are up over the state. (2) Thirty-two inexperienced men and twenty-three experienced men have been placed this year. Southern Illinois University reported that fewer than four men will qualify for teaching there this year. (3) Preliminary plans were discussed for establishing pilot centers for the National Study of Young Farmer Instruction in Vocational Agriculture. (4) A group of administrators in one Illinois county voted not to allow any school time for contests. This points out the importance of discretion in using school time for various events. (5) State F.F.A. Convention will be June 16,17, and 18.

Chairman Robert Liehr of the Record Book Committee reports that some recommendations were made at the meeting on September 20. The major one was "that the Record Book Committee recommend to the F.F.A. Foundation Awards Committee that the efficiency section of the Evaluation Guide used in connection with the Foundation Production Awards be more closely correlated with the efficiency standards listed in the new record book." Dr. Deyoe reported that prospective teachers would receive training in use of the record book. Mr. Herbst made a progress report on four filmstrips pertaining to the new record book. They are still in the paper stage but are ready for production.

Your president, along with the members of the I.A.V.A.T. State Fair Committee, attended a meeting at the University on October 11. Mr. James Litchfield, chairman, and B. A. Tomlin, Charles Harn, C. N. DeHart, and Robert Davis, all members of the committee, were present. Dean Sims, director of District III, also attended. The purpose of the meeting was to discuss Fair problems and make recommendations for improvement. With all of our committee members present, our organization definitely entered into the discussion and was instrumental in recommending and making policy changes for next year.

Sectional News

Section 3. Vernon Luther reports that Harlan Ehman, Thomas Gillingham, and Richard Deininger put on the Section 3 Leadership Training School at LaMoille on October 6. Seventeen schools and 120 officers attended the training school. The Soil Judging Contest was held at Buda on October 8, with Merle Horwedle, Richard Tuttle, and Charles McKee in charge. Section 3 has an F.F.A. and vocational agriculture program of work outlined for the year.

Section 8. A potluck dinner and golf in the afternoon followed the fall business meeting of Section 8. Stuart Montooth of Earlville must be quite a host. A sectional officers' training school was held at Marseilles in the Illini State Park on September 10. The November meeting will include the administrators of the high school as guests. Vo-Ag Service will furnish the program for the January meeting, which will be held in Joliet. Thanks to Sherwood Jackson for sending in the Section 8 news.

Section 14. Richard D. Bast, chairman, reports that they held their Leadership Training School on October 1 in the Illiopolis High School. After the assembly and activity reports, officers' meeting, and dinner, a most interesting panel composed of 10 leading men in agriculture in central Illinois discussed related occupations of banking, education, farm management, and farm service companies. Approximately 90 boys and 18 teachers attended the meeting.

Section 17. This section spent considerable time discussing the possibilities for short courses, skill courses, and tours at our next June conference. Kermit Esarey, chairman, reports that all teachers seemed to be in agreement that the tour should not be dropped. Several teachers suggested that more time be given to each stop on the tour. In addition, many teachers said they would like to remain longer at stops where the subject was of particular interest to them.

Section 20. Paul Walker, chairman, reported that the annual Vo-Ag teachers and administrators dinner meeting carried a theme of "Decreasing Farmers - Larger Farms - H.S. Vo-Ag?" The 40 men present divided into four groups at the start of the dinner, with a discussion leader and recorder. Resource material was suggested by assigned articles from the August issue of Ag. Ed. magazine. Graphs showing census data regarding farms by counties and total high school enrollment and vo-ag enrollment in the 14 schools represented was also used by each person. The last half hour was devoted to group reports in an assembly of the whole group.

Keep Sending the News to:

Ray Dunn
840 South Farnham Street
Galesburg, Illinois

VO-AG SERVICE

Announcements & Notes

Tear Sheet. At the end of this section of the AIDS is a sheet to fill out and return to our office if you are interested in obtaining any of the items that are listed in the November AIDS. For your convenience, we have left extra space at the bottom of the sheet for any other requests you might wish to make or for questions you might wish to raise in connection with our work.

M.H.

Agricultural Releases for November. On October 31 we mailed Agricultural Releases to all subscribers for the 1958-59 school year. We trust that any subscriber who does not receive his releases within a reasonable time will notify us.

M.H.

Plan Cards Being Discontinued. We have decided to discontinue distribution of Sets I and II of our index cards of plans for items that might be made in the farm shop. We are doing so because some of the information on the cards is out of date, and at this time we simply are not able to bring them up to date. For example, some of the Illinois plans listed on the cards have been withdrawn, and practically all have had price changes.

We still have a limited number of sets but have made no definite plans as to how to dispose of them. We may give them away at the time of the Conference with the understanding that most of the prices are out of date and that some of the plans have been discontinued since the cards were printed.

M.H.

Double-Frame Slidefilm Prints. In the October AIDS, we mentioned that when our present supply of double-frame prints was exhausted it would not be replenished. Following is the present status of those now in limited supply:

180 -- 3	495 -- 5
336 -- 2	496 -- out
412 -- 2	703 -- 2
413 -- 2	705 -- 3
414 -- 2	707 -- 4
415 -- 1	721 -- out
441 -- 3	7.0 -- out

At present we have no single-frame prints of 7.0, and neither do we have a negative to make such prints. Consequently, our supply will remain exhausted until further notice.

M.H.

FFA Roadside Signs -- Maintenance of. We wish to urge schools having FFA signs that need replacing or repainting to be sure to deliver them to our building on or before January 15, 1959. That was the deadline in the letter Mr. Burgener

sent early in September. It is possible that we may be able to start reconditioning the signs prior to that date, but we will accept any that are received by that time. Since drying racks must be used that take a considerable amount of space, we plan to do the repainting and reconditioning in a given period. Consequently, we urge you to be sure your signs to be reconditioned reach us before the deadline date.

M.H.

Subject-Matter Units. The first shipment of units to those who placed advance orders for 1958-59 was made on October 9. It included the following units which are now ready for distribution at the prices indicated.

Units	Title	Price each 1 - 4	Price each 5 or more
1009	Improving Animals Through Breeding	.32	.16
2010	Planning the Soil Fertility Program	.24	.12
2011	Choosing a System of Farming	.16	.08
2012	Selecting the Livestock Enterprises	.16	.08
3007	Making and Using Concrete on the Farm	.32	.16
3008	Farm Tractor Tune-Up	.24	.12
4024	Planting and Care of Farm Forests	.32	.16
4025	Controlling Diseases of Vegetable Crops	.24	.12

Single copies of each of these units were included with the November Agricultural Releases.

M.H.

Annual Bred Ewe Sale Saturday, December 13, at Urbana, Illinois. We are indebted to Professor Garrigus for sending us the following announcement:

> The University of Illinois is again cooperating with the Illinois Purebred Sheep Breeders' Association in sponsoring an annual bred ewe sale at the Stock Pavilion in Urbana. Representatives of eight breeds will be sold. These will be "sifted" by Mr. Dewey Yontz of Runnels, Iowa, beginning at 9:00 a.m. The sale will be called by Mr. Vance J. Van Tassell (an Illinois Animal Science graduate) beginning at 1:00 p.m. We believe that this sale provides a unique opportunity to see representatives of several breeds and a number of flocks from various parts of Illinois all at one location.

M.H.

C. A. Kincaid. C. A. Kincaid, farm field engineer, Portland Cement Association, will accept dates for adult evening classes that can be fitted into his schedule during the winter of 1958-59. He feels that a minimum attendance of 15 is necessary to justify his time and travel expenses. Illustrated color-slide lectures about one hour long are available on the following subjects: Making Quality Concrete for Farm Improvements; Building With Concrete Masonry; Constructing Heated Concrete Floors; Constructing Concrete Feeding Floors and Paved Yards; Constructing Horizontal Silos Above and Below Grade; and Tilt-Up Farm Building Construction.

If interested, select the two subjects of most interest to your group and contact Mr. Kincaid directly. His address is 510 South Chicago Avenue, Champaign, Illinois.

M.H.

Circular 758 -- Understanding Soils. The Information Office tells us that the supply of Circular 758 is almost depleted, and consequently distribution is being limited to single copies. Tentative plans are under way to reprint or possibly revise and reprint this publication. It appears, however, that it may not be done for at least two or three months. Because teachers have a particular interest in this publication, we will be certain to announce new copies in the AIDS as soon as they are available.

M.H.

New Bulletins and Circulars. Since the last issue of the AIDS, one new bulletin and one circular have been announced by the College of Agriculture. Bulletin 633 is entitled "Soaking Treatment of Basswood at Low Temperatures." Circular 800 is "Legal Descriptions of Illinois Real Estate." Copies of the circular were included with the November Releases mailed on October 31. Copies of the bulletin were not included because of limited interest. Copies may be obtained in the regular manner. If you are not familiar with the procedure regarding copies for the Vo-Ag program, we suggest that you refer to the August issue of the AIDS.

M.H.

New Farm Movie, "Concrete Example." We appreciate the thoughtfulness of Mr. C. A. Kincaid in giving us the following announcement:

> New Farm Movie--"Concrete Example"--is a 16-minute color sound 16 mm. film produced by the Portland Cement Association. It shows how to obtain good concrete jobs with the materials and equipment available to farmers. The film includes directions for selecting aggregates, mixing, placing, finishing, and curing concrete. How to order and use ready-mixed concrete is also covered.

This film is available from the Visual Aids Service, University of Illinois, Champaign, Illinois. It is free except for return transportation.

M.H.

Yearbook of Agriculture. The 1958 Yearbook of Agriculture, "Land," is now available. It includes historical information about the development of land and the economic aspects of land tenure--types of ownership, valuation, appraisals, credit, insurance, purchase and sale of property, taxes, effects of farm programs, individual rights to control land, conservation, the real estate market, and income from farm land.

The Yearbook of Agriculture is a congressional document, and each senator and representative in Congress has a limited number of copies for distribution. The Department of Agriculture has none available for general distribution.

Copies of "Land" may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C., for $2.25 each.

J.H.H.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

I & T SHOP SERVICE MANUAL. $45.50. Implement & Tractor Shop Service, 1014 Wyandotte Street, Kansas City 5, Missouri.

The complete Shop Service contains:

A. Heavy-duty, expandable binder.
B. Shop manuals for each make of tractor.
C. Flat Rate manuals for each make of tractor.
D. Standard Units Shop manual and Standard Units Specifications manual applying to all the tractors.
E. Service Supplements.

The first page states that contents of the Shop Service Manual are "the necessary specifications and the brief but terse procedural data needed by a mechanic when repairing a tractor on which he has had no previous actual experience. The material is arranged in a systematic order beginning with an index which is followed immediately by a table of Condensed Service Specifications. These specifications include dimensions, fits, clearances and timing instructions, as well as liquid capacities of the transmission, final drive, crankcase and cooling system."

M.H.

SMALL ENGINES SERVICE MANUAL. 1957. $4.65. Implement & Tractor Shop Service, 1014 Wyandotte Street, Kansas City 5, Missouri.

According to the information on the first page, "Scope of this third edition has been considerably broadened by the addition of the three new sections. The section titled 'Gas Engine Fundamentals' provides a non-mathematical explanation of what an engine is and how it produces power. This can be used as a teaching guide and for upgrading apprentices and assisting in the training of non-experienced personnel. Similarly the second section devoted to 'Troubleshooting and Servicing of Ignition and Carburetor Equipment' will furnish the non-specialist much of the background knowledge required to efficiently service a variety of makes of such equipment. For the totally inexperienced owner of a small engine, the section titled 'Troubleshooting for Beginners' supplies a simple step-by-step procedure for locating the source of trouble when his engine refuses to start."

M.H.

THE GUERNSEY HANDBOOK. 1958. Guernsey Association. $.25. American Guernsey Cattle Club, Peterborough, New Hampshire.

This 8 1/2" x 11" publication of approximately 25 pages deals with such subjects as Guernsey History, Breeding Guernseys, How to Start a Guernsey Herd, and How to Select Foundation Animals. The last-named section includes these topics: Good Type Is Important, General Appearance, Body Capacity, and Mammary System.

Information is also included on keeping herd records, as well as on a program for junior breeders.

M.H.

VEGETABLE AND FRUIT GROWING. 1956. Mack, Larson, White, Sampson. $4.40. J. B. Lippincott Company, 333 West Lake Street, Chicago 6, Illinois.

A few of the chapter headings listed in the contents are the Fruit and Vegetable Industry, Maintaining Soil Fertility, Regulating Soil Moisture, and Salad Vegetables.

"This book stresses the production and handling phases of the chief vegetable and fruit crops grown in the northeastern section of the United States from the corn belt eastward. Discussions pertaining to the southern and western sections of the country are excluded. It has been prepared primarily as a textbook and reference book for students in Vocational Agriculture classes, including future farmers, young farmers, and adult farmers. It is also recommended for college or university two-year programs, winter courses, farm school programs, vocational schools of horticulture, and as a reference text for beginning horticultural students in college. The text will be helpful also to practicing farmers and home gardeners who desire information on the basic principles and practices of vegetable and fruit growing... It has been the aim of the authors to present concise statements dealing with the scientific and practical aspects of vegetable and fruit growing in a way that they can be readily understood and put into practice. A feature of the text is the use of excellent illustrative material that shows modern agricultural practices."

M.H.

FARM MANAGEMENT. 1958. Robertson. $4.40. J. B. Lippincott Company, 333 West Lake Street, Chicago 6, Illinois.

This book has approximately 450 pages and includes such chapter headings as The Farming Challenge, Choosing a Farm, Cropping Programs, The Place of Livestock, Marketing, and Planning the Farm Business.

Since farming should be considered a business, "This book is written to give information about the farm as a business unit that will help in the making of management decisions. It is intended primarily for high school students who are approaching a period when the decisions they make in farm organization and operation become extremely important to them. It is useful also to operating farmers, landowners, and other persons connected with farming. The book is written in nontechnical language. Principles are made clear by illustrations that show how the principles apply to situations with which readers are likely to be familiar. While no book can give detailed specific information for all the many special conditions that exist in this country, the principles apply anywhere and the illustrations are chosen from a wide variety of conditions. The questions and suggestions for classroom discussion at the end of each chapter make possible a demonstration of the local application of the farm management facts and principles presented."

M.H.

FIELD CROPS. 1958. Fergus & Hammonds. $4.40. J. B. Lippincott Company, 333 West Lake Street, Chicago 6, Illinois.

From the preface: "This book is written for the use of those who are engaged in, or who expect to engage in, the production of field crops in this country. All the very important crops except cotton and peanuts are discussed. These two southern crops are covered in a separate edition for use in the South. An abundance of experimental data is presented, data which should be of great value in understanding the practices to follow in producing crops. The book is not written for use in any restricted section of the country. All crops are discussed from a

national standpoint, making the book adapted to almost any section of the United States. This book not only presents material on specific crops, but it also presents material on the basic knowledge necessary for their successful production. Among the chapters covering these fundamental principles are: Deciding on the Crops to Grow, Principles of Plant Growth, Selecting and Producing Seed, Soil in Relation to Crops, and Tillage. The chapters in this book may be used in any order. You may begin with 'Corn' or with 'Hay and Grass Silage' or with 'Soil in Relation to Crops' or with any other chapter."

M.H.

EVERGREEN ORCHARDS. 1958. Chandler. $8.50. Lea & Ferbiger, 600 S. Washington Square, Philadelphia 6, Pennsylvania.

This second edition contains more than 500 pages. The author indicates in the preface to the first edition that "This text is not written primarily for students who are specializing in subtropical or tropical horticulture. It is written with the hope that all good students of tree horticulture will want to see as much of the world as possible through their special field of study, and become acquainted with as much different tree behavior as possible. Some of the species discussed here supply fruits that are the most important in the markets of the world. More of them are of great importance to people in some part of the world, and all of them have some value to people somewhere. A few show interesting behavior such as flowering and fruiting on the trunk or flowering and fruiting in spite of shade and the most succulent growth they can be induced to make."

The preface to the second edition states that the book "is being revised to use some of the more recent reports from studies of the different evergreen, woody species grown for their fruit."

M.H.

SHEEP PRODUCTION. 1958. Diggins and Bundy. $4.90. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

Sheep Production is a book of approximately 370 pages dealing with such subjects as Opportunities in Sheep Production, Selecting and Establishing the Breeding Flock, Feeding, Buying and Selling Sheep and Lambs, and Fitting and Showing Sheep.

The preface states: "The need and the popular demand for someone to accumulate information concerning practical livestock production and condense the essential material into one volume inspired the authors to produce their first volume, Livestock and Poultry Production, published in 1954. The popular response to this general livestock book brought many requests for unit books, written in the same style, dealing with single livestock enterprises. Dairy Production, Beef Production and Swine Production were written to satisfy this demand. Sheep Production follows the same general stylistic pattern as the earlier books in the series. Technical and nonessential material has been eliminated. Production problems are included.

"While Sheep Production is not a large volume, it does contain complete and up-to-date information on the feeding, management, and breeding of sheep. Research and experimental materials have been gathered from all parts of the United States. The information has been carefully reviewed by the authors, and that which has practical value has been used in making the recommendations to sheepmen contained in this book."

M.H.

PROFITABLE FARM MANAGEMENT. 1957. Hamilton and Bryant. $4.80. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

This publication contains approximately 400 pages distributed over 24 different chapters. Some of the major subdivisions are Planning a Start in Farming, Planning the Farm Business, Improving the Home Farm, and Living in Today's World.

According to the preface: "This book presents the principles of efficient farm management and shows how they may be applied for better living and greater profits. We have tried to organize the material so that the reader can easily find the answers to his specific management problems. Part I is particularly for the beginning farmer and is a discussion of the general approach to farming. 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 reorganizing the farm business. In it we have suggested ways of making adjustments to constantly changing conditions. Part IV deals with the farmer's relations with the larger community of which he is a part."

M.H.

LEADERSHIP TRAINING AND PARLIAMENTARY PROCEDURE FOR FFA. 1958. Gray and Jackson. $1.68. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

This publication is divided into six major divisions. Under the heading of Part II, entitled Parliamentary Procedure for Future Farmers of America, some of the divisions are Main Motion, Subsidiary Motions, Incidental Motions, Privileged Motions, and Unclassified Motions.

The preface states: "This book is designed to provide ample reference material for the leadership training program of the FFA chapter. The first part deals with the organization of the FFA chapter. It outlines the qualifications necessary for each office and provides the essential information that each officer needs to fulfill his duties. The second part is a manual of parliamentary procedure, organized for easy understanding. Extensive examples for each parliamentary rule illustrate how parliamentary rules and language are used in the FFA chapter meeting. Study questions are provided to give FFA members additional experience in handling parliamentary problems."

M.H.

EXPLORING THE INDUSTRIES. 1953. Chris H. Groneman. $1.16, with educational discount. The Steck Company, Publishers, Austin 1, Texas.

The major divisions in this publication are Drawing and Planning, Woods, Forging, Art Metal, and Electricity.

Under the heading of Information to the Teacher, this statement is made: "This worktext differs in several respects from other books in that it has a broad variety of divisions which include drawing and planning, wood, metal, and electricity. The metal division offers units in bench metal, forging, sheet metal, and art metal. The aim is to capture the interest of every pupil who may be taking industrial work for the first time. Each division is complete and includes ample detailed material on tools, processes, and problems. Several divisions could be operated for a longer period of time than the usual eight or nine weeks customarily allotted to each division of general shop or laboratory of industries."

M.H.

METHODS OF TESTING CHEMICALS ON INSECTS. 1958. H. H. Shepard, Editor. $5.00. Burgess Publishing Company, 426 S. Sixth Street, Minneapolis 15, Minnesota.

This book contains 14 chapters and some 350 pages. Some of the chapters are Penetration of Insect Cuticle, Measurement of Insect Respiration, Radioactive Tracer Methods, Resistance Studies, and Precision Spraying.

The preface states: "This manual is intended to describe methods used in studying any phase of the action of chemicals on insects. However, busy specialists sometimes hesitate to give the time required for preparation of a critical review of the methods available in their fields. It has been decided to publish in this first volume such articles as have accumulated treating of the fundamental phases (effects of chemicals on the physiology of the insects) and relating to general techniques for applying chemicals."

M.H.

DISEASES AND PARASITES OF POULTRY. 1958, 5th ed., Barger, Card and Pomeroy. $5.00. Lea & Ferbiger, 600 S. Washington Square, Philadelphia 6, Pennsylvania.

This 5th edition contains more than 400 pages distributed over such chapters as The Mortality Problem, Diagnostic Methods, Bacterial Diseases, Nutritional Disorders, and Internal and External Parasites.

"The preparation of this book was originally undertaken in an attempt to point the way toward a reduction in mortality among poultry flocks," according to the preface. The same source indicates that "the successful control of most diseases and parasites of poultry depends on strict adherence to the principles of hygiene and sanitation and good management. New medicinal agents will continue to prove very helpful, but they should not be looked upon as substitutes for good management."

M.H.

POULTRYMAN'S MANUAL. 1957. Bailey. $4.50. Springer Publishing Company, Inc., 44 East 23rd Street, New York 10, New York.

The preface states: "This manual is primarily intended as a reference work for flock owners and agricultural students and advisers. Although the various diseases are considered in detail, the book cannot be taken as a substitute for veterinary service. At best, it will do little more than serve as a guide in this respect. The listed symptoms will help to indicate the various possibilities that may be involved when an outbreak of disease occurs, but study of the book will not always enable the reader to make a definite diagnosis...We would like to impress our readers with the importance of good management and sanitary measures for the control of poultry diseases. It's true that vaccines and drugs are available for the protection of flock health, but it's also true that diseases cannot be controlled by the use of such agents alone. On the other hand, well-managed flocks will usually get along fine without any medication at all. With that in mind, we suggest that readers should be more interested in preventive measures than in directions for treating the various diseases. Otherwise, this book cannot possibly prove as helpful as we would like it to be."

M.H.

VETERINARY HANDBOOK FOR CATTLEMEN. 1958. Bailey. $5.00. Springer Publishing Company, Inc., 44 East 23rd Street, New York 10, New York.

According to the preface: "There are several reasons why a book like this can not be expected to replace a veterinarian...Consequently, the personal attendance

of a veterinarian is often the only way in which a correct diagnosis can be obtained so that appropriate treatment can be started.

"The second edition of this book differs from the first one chiefly in the addition of new material. In some cases new and better methods of control have been discovered for troubles described in the first edition, and these certainly warrant mention. Examples are furnished by oil and penicillin as used against bloat, iodine compounds as used against acetonemia and foot rot."

M.H.

LAND ECONOMICS. 1958. Renne. $6.00. Harper & Brothers, 49 East 33rd Street, New York 16, New York.

This publication of more than 600 pages is divided into 6 parts, namely: The Field of Land Economics, Principles of Land Utilization, Land Income and Value, Property in Land, Distinctive Features of Major Land Uses, Improvement of Land Use.

The preface states: "This revision is designed to bring the pertinent data and interpretations up to date and to make the volume more readable and teachable by careful editing and rearrangement of the materials based on more than a decade of classroom use in many institutions."

M.H.

PROCEDURE HANDBOOK OF ARC WELDING DESIGN AND PRACTICE. 1957. $3.00. Lincoln Electric Company, Cleveland 17, Ohio.

The publication is divided into eight major divisions: Aids for Arc Welding Progress, Arc Welding History, Processes, Equipment and Nomenclature, Techniques, Procedures, Speeds and Costs for Welding Steel, Designing of Arc Welded Structures, and Arc Welding Applications. Each section includes a large number of pages. For example, part six contains more than 450 pages. We understand that copies are available from any dealer or representative of the Lincoln Electric Company or direct from that company.

M.H.

NEW LESSONS IN ARC WELDING. 1957. $1.00. Lincoln Electric Company, Cleveland 17, Ohio.

This publication contains sections on Arc Welding Theory and Techniques, Mild Steel Electrodes, Hardsurfacing Electrodes, Cast Iron, Non-Ferrous, and Wash-Coated Mild Steel Electrode. Copies are available through any dealer of the Lincoln Electric Company or direct from that organization. The introduction states: "This edition of New Lessons in Arc Welding is the 4th revision of a test resulting from an enlargement of the lessons used in the Lincoln Arc Welding School. This school has been in operation since 1917. The methods and material presented here are not the ideas of any one person. They are the result of information gathered from the staff of the Lincoln Arc Welding School, welders in the field, welding teachers, field engineers, and the comprehensive engineering and research facilities of the Lincoln Electric Company."

M.H.

FARM ARC WELDING. 1957. V. J. Morford, Professor, Department of Agricultural Engineering, Iowa State College. $2.00. Lincoln Arc Welding Foundation, Cleveland 17, Ohio.

The preface indicates: "Farm Arc Welding has been prepared as a handbook for building, repairing and servicing farm equipment. Quite a large part of the

publication has been edited from contributions to the recent Agricultural Awards and Scholarship Program sponsored by the James F. Lincoln Arc Welding Foundation. These contributions were made by farmers and agricultural specialists and educators. Valuable material was also secured from entries in the 1951 and 1952 James F. Lincoln Arc Welding Foundation Arc Welding Award Program for High School Students living on farms or ranches."

M.H.

WEED IDENTIFICATION AND CONTROL. 1958. Duane Isely. $2.95, Iowa State College Press, Ames, Iowa.

The foreword states: "The presentation is based on the thesis that agricultural students should know something about (1) the importance, behavior and identity of important and common weeds, (2) methods for determining unknown weeds, (3) the basic principles of weed control, and (4) recent advances in herbicidal weed control as they apply to important weed problems...the weeds which are treated are those well known in the north central United States."

M.H.

LINEAR PROGRAMMING METHODS. 1958. Heady & Candler. $5.95, Iowa State College Press, Ames, Iowa.

It contains approximately 600 pages distributed over 17 chapters. According to the preface: "This book has been written to serve the needs of students, teachers, research workers and extension specialists in economics. Its purpose is to place the general tool of activity analysis in the hands of individuals who are not primarily mathematicians, or who are not primarily concerned with complicated mathematics. The techniques of linear programming are explained in a manner which can be understood by advanced undergraduates, beginning graduate students and established economists who have no knowledge of matrix algebra."

M.H.

Oxy-Acetylene Welding and Its Application, 1958, $1.00; Braze Welding of Iron and Steel by the Oxy-Acetylene Process, 1957, 35 cents; Safe Practices for Installation and Operation of Oxy-Acetylene Welding and Cutting Equipment, 1957, 35 cents, International Acetylene Association, 205 East 42nd Street, New York 17, New York.

The publications listed above are three of a series of ten available from the address indicated. All are paper covered and approximately 6" x 9". According to information accompanying their order blank, Oxy-Acetylene Welding and Its Application gives the chemistry of the welding process, the technique of welding various ferrous and non-ferrous metals and alloys, and the testing of welds. Braze Welding of Iron and Steel by the Oxy-Acetylene Process tells of the growing importance of braze welding. Safe practices for Installation and Operation of Oxy-Acetylene Welding and Cutting Equipment covers the storage of calcium carbide and gases, as well as the installation, operation, and use of oxy-acetylene welding and cutting equipment. Chapters are devoted to eye protection, safe clothing, fire prevention, accident prevention, and industrial health.

M.H.

FEEDS AND FEEDING, ABRIDGED. 1958. S. H. Morrison, $4.75. Morrison Publishing Company, 515 Woodlands Drive, Clinton, Iowa.

This edition contains approximately 700 pages dealing with such topics as Fundamentals of Animal Nutrition, Feedingstuffs, and Feeding Farm Animals.

The preface of this ninth edition states: "In this edition, particular emphasis is placed on the new developments in animal nutrition and stock feeding, such as antibiotic, arsonic, and surfactant supplements and the use of hormones. Full information is given concerning the requirements of each class of stock for the various vitamins, including vitamin B_{12} and the unidentified vitamins or factors. The amino acid needs of farm animals are discussed in detail, and the amounts of the various essential amino acids required by swine and poultry are stated. Appendix Table X, which states the content of the various amino acids in important feeds, has been greatly enlarged."

M.H.

MODERN WELDING PRACTICE. 1958. Althouse and Turnquist, Editors. $5.00. Goodheart-Wilcox Company, Inc., 1322 South Wabash Avenue, Chicago 5, Illinois.

The book includes more than 500 pages dealing with such chapter headings as Oxy-Acetylene Welding Theory and Practice, Oxy-Acetylene Welding Equipment and Supplies, Electric Welding Theory and Practice, Cast Iron Welding and Cutting. This 1958 edition, under the heading of Introduction, states: "Modern Welding Practice covers the principles and procedures of all types of Gas and Electric Welding, Heat Treating, and Metal Cutting. Special emphasis has been placed on proper techniques, so the inexperienced welder may understand and become acquainted with correct welding practices. To be a successful welder the operator must have a good basic understanding of the properties and characteristics of metals. Both subjects are covered in detail in this book. Safe practices described in MODERN WELDING PRACTICE were developed and tested by teachers in welding in the Detroit Public Schools."

M.H.

ALL ABOUT HOUSE WIRING. 1954. Mix and Pritchard, Editors. $2.50. Goodheart-Wilcox Company, Inc., 1322 South Wabash Avenue, Chicago 5, Illinois.

This book of approximately 200 pages deals with such phases of wiring as Getting Started in House Wiring, Installing Outlet and Switch Boxes, Conduits, Cables, Installing Switches and Outlets, Remote Control Systems, and Providing Adequate Outlets.

The purpose of the book, according to the introduction, is to "take the 'mystery' out of house wiring. It tells how to determine what wiring is needed. It describes, in easy-to-understand language, how to install wiring in both new and existing residences; wiring capable of serving SAFELY the lighting, appliances and equipment of Today, as well as those of Tomorrow."

M.H.

MOTOR SERVICE'S AUTOMOTIVE ENCYCLOPEDIA. 1958. $7.95. Purnis & Toboldt, Editors. Goodheart-Wilcox Company, Inc., 1322 South Wabash Avenue, Chicago 5, Illinois.

The information on the inside cover of this book states: "This Encyclopedia teaches FUNDAMENTAL PRINCIPLES of operation and Basic Service Procedures--the foundation on which a sound, thorough knowledge of auto mechanics is based. It describes in simply, nontechnical language and shows by clear illustrations how car parts and units are constructed, how the parts work, what goes wrong, what is required to get top performance in Power, Speed, Economy, Safety...This AUTOMOTIVE ENCYCLOPEDIA furnishes all the information you need to fix all parts of all cars built during the past 25 years. It also includes Tractors, Trucks, Motorcycles, Diesel Engines and Small Gas Engines."

M.H.

PRACTICAL CARPENTRY. 1958. Mix and Cirou, Editors, $5.00. Goodheart-Wilcox Company, Inc., 1322 South Wabash Avenue, Chicago 5, Illinois.

The information on the inside cover states: "PRACTICAL CARPENTRY is an easy-to-understand cyclopedia of information on modern building methods. Large, clear drawings show complete house construction details from foundation to roof; reduces the job of building a modern home, or modernizing a home, to simple steps. Information is given,too, on garage and farm building construction...Information on Practical Carpentry, if carefully applied, will enable the inexperienced builder to do many jobs he was afraid to tackle before, and will make any experienced carpenter a better carpenter."

This 8 1/2" x 11" book contains approximately 450 pages. Probably teachers who have been in the habit of examining the books in our displays of previous years will recall seeing earlier editions.

M.H.

Adult and/or Young Farmer Programs for 1957-58. We have received from the office at Springfield information to the effect that 283 high schools having vocational agriculture programs last year conducted reimbursed out-of-school programs for adult and/or young farmers for the school year 1957-58.

The list that was sent to us for the AIDS, is as follows:

Section 1

Byron
Elizabeth
Freeport
Mount Morris
Oregon
Polo
Rockton
Stillman Valley
Stockton

Section 2

Milledgeville
Morrison
Mount Carroll
Rock Falls
Sterling
Thomson

Section 3

Annawan
Atkinson
Buda
Cambridge
Cordova
Galva
Geneseo
Kewanee, Community
Kewanee, Wethersfield
La Moille
Malden
Taylor Ridge
Walnut
Woodhull
Wyanet

Section 4

Abingdon
Alexis
Joy
Kirkwood
Knoxville
Little York
Media
Viola
Williamsfield

Section 5

Bradford
Brimfield
Dunlap
Elmwood
Eureka
Granville
Hennepin
Henry
McNabb
Minonk
Peoria, Limestone
Princeville
Roanoke
Sparland
Varna
Washburn
Wenona
Wyoming

Section 6

Harvard
Huntley
Marengo
McHenry
Poplar Grove
Richmond
Woodstock

Section 7

Burlington
Genoa
Hinckley
Kirkland
Malta
Naperville
Rochelle
St. Charles
Sandwich
Somonauk
Sycamore
Waterman

Section 8

Earlville
Lockport
Lostant
Marseilles
Mendota
Minooka
Morris
Newark
Oswego
Streator, Township
Tonica

Section 9

Bellflower
Chatsworth
Chenoa
Danvers
Dwight
El Paso
Flanagan
Forrest
Gridley
Leroy
Lexington
McLean
Normal
Odell
Stanford
Streator, Woodland

Section 10

Beecher
Braidwood
Buckley
Chicago Heights
Cissna Park
Crescent City
Crete
Donovan
Herscher
Kempton
Manteno
Milford
Momence
New Lenox
Onarga
Peotone
Saint Anne
Sheldon
Watseka
Wellington

Section 11

Augusta
Bardolph
Bowen
Bushnell
Carthage
Colchester
Colusa
Industry
Macomb
Warsaw

Section 12

Bath
Canton
Cuba
Delavan
Fairview
Farmington
Havana
Hopedale
Lewistown
Mackinaw
Manito
Mason City
Minier
San Jose
Table Grove
Tremont
Washington

Section 13

Barry
Beardstown
Camp Point
Chandlerville
Griggsville
Pleasant Hill

Section 14

Ashland
Athens
Auburn
Elkhart
Hartsburg
Illiopolis
Middletown
New Holland
Petersburg
Rochester
Williamsville

Section 15

Bunker Hill
Carrollton
Girard
Greenfield
Hardin
Meredosia
Piasa
Waverly
White Hall

Section 16

Atwood
Bement
Deland
Farmer City
Macon
Mansfield
Maroa
Wapella
Warrensburg

Section 17

Arcola
Champaign
Fisher
Mahomet
Melvin
Newman
Ogden
Paxton
Piper City
Rantoul
Roberts
St. Joseph
Sidney
Tolono
Tuscola
Villa Grove

Section 18

Armstrong
Brocton
Catlin
Fithian
Georgetown
Henning
Hoopeston
Metcalf
Potomac
Ridge Farm
Scottland
Sidell

Section 19

Assumption
Edinburg
Farmersville
Findlay
Herrick
Hillsboro
Litchfield
Lovington
Nokomis
Raymond
Shelbyville
Stewardson
Stonington
Sullivan
Taylorville
Tower Hill

Section 20

Charleston
Kansas
Neoga
Newton
Toledo
Westfield

Section 21

Altamont
Brownstown
Centralia
Dieterich
Kinmundy
St. Elmo
Vandalia
Waltonville
Woodlawn

Section 22

Aviston
Carlyle
Freeburg
Highland
Marissa
Nashville
New Athens
Red Bud
Steeleville
Troy
Valmeyer
Waterloo

Section 23

Allendale
Bridgeport
Cisne
Clay City
Fairfield
Flora
Grayville
Lawrenceville
Louisville
Mount Carmel
St. Francisville
Sumner
Wayne City
West Salem

Section 24

Dongola
Murphysboro
Pinckneyville
Sesser
Tamms
Ullin
West Frankfort

Section 25

Cave in Rock
Eldorado
Harrisburg
Marion
Metropolis
Mill Shoals

TO: Vocational Agriculture Service
434 Mumford Hall
Urbana, Illinois

Please send the following, as listed in the November AIDS:

_____Unit 1009 -- 32 cents for 1 to 4; 16 cents for 5 or more.

_____Unit 2010 -- 24 cents for 1 to 4; 12 cents for 5 or more.

_____Unit 2011 -- 16 cents for 1 to 4; 8 cents for 5 or more.

_____Unit 2012 -- 16 cents for 1 to 4; 8 cents for 5 or more.

_____Unit 3007 -- 32 cents for 1 to 4; 16 cents for 5 or more.

_____Unit 3008 -- 24 cents for 1 to 4; 12 cents for 5 or more.

_____Unit 4024 -- 32 cents for 1 to 4; 16 cents for 5 or more.

_____Unit 4025 -- 24 cents for 1 to 4; 12 cents for 5 or more.

OTHER: _____

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Signature

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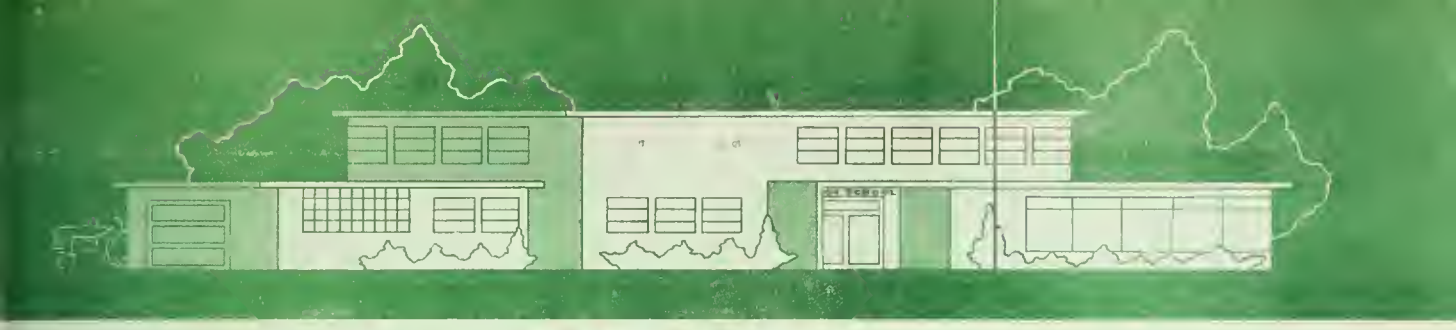
Address



AGRICULTURAL EDUCATION NEWS

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

Organization of the Finance Study. As plans for the study on financing vocational education in Illinois, announced in the October News, have progressed, a change in the membership of the committee in charge has been indicated. Only members of the staff of the University of Illinois will be in the group directly responsible for the project. They will, of course, confer with as many others as possible who are able to contribute to it and will use data available from all possible sources in the state. H.M.H.

A Comparison of Teacher Placement in 1956-57 and in 1957-58. A smaller number of teachers left the teaching of vocational agriculture in Illinois in 1957-58 than in 1956-57. In 1956-57 approximately 10½ percent left vocational agriculture teaching; in 1957-58 the figure was approximately 8½ percent. In recent years the range has been 7 to 14 percent.

In 1957-58 approximately 16 percent of the new teachers in Illinois returned to teaching from other work; in 1956-57 the figure was approximately 7½ percent.

The number of out-of-state persons entering vocational agriculture teaching in Illinois was considerably lower in 1957-58 than in 1956-57. In 1956-57 nine out-of-state teachers obtained jobs as vocational agriculture teachers in Illinois; in 1957-58 the number was three. L.J.P.

Present Placement Situation. As of October 10, one teaching position was still listed as vacant. Four experienced and two inexperienced teachers are still available for placement. Placements since September 15 are as follows: Atlanta, H. Elliott; and Chenoa, S. Sterrenberg. A.H.K.

Your Professional Magazine. Teachers of vocational agriculture are fortunate to have a professional magazine devoted entirely to agricultural education. The subscriptions for many states far exceed the number of teachers in those states. The number of subscriptions for Illinois as of October 1958 was 263.

Teachers are, I am sure, well acquainted with the reasons for subscribing to The Agricultural Education Magazine. Such a fine means for professional improvement can continue to exist only if the teachers support it through contributing articles and by subscribing. The cost is only $2.00 a year.

Why not send for your subscription right now! Send your check and request to The Agricultural Education Magazine, Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois. A.H.K.

Election of a Division Chairman. October 1958 is the month in which each Division of the College of Education chooses its chairman for the next four years. The procedure, adopted in February 1954, has been stated as follows:

> "Each Division shall elect a Chairman every four years in the month of October from among the members of the Division of the rank of assistant professor and above holding full-time appointments in the University. The Chairman will take office the next January 1."

Division chairmen were elected by division staffs for one-year terms for many years prior to 1954. In some cases, under this arrangement, the same chairmen were regularly re-elected; in other cases, the division chairmanship was passed around and no one served more than one year. The present arrangement provides for greater continuity in the division chairmanship. H.M.H.

Meeting of the Advisory Board of the Division of Agricultural Education. The Advisory Board for the division met on campus October 3 and 4. All members were present: Guy O. Petty, Carrollton, Chairman; R. E. Dagner, Assumption; Leon Mayer, Teutopolis; James Savage, Marseilles; and Arthur L. Shick, Sterling. A member of the IAVAT Executive Committee, Clifton E. Wick of Pearl City, was also present. This is the first year in which the Executive Committee has been represented at meetings of advisory boards. The experience of October 3 and 4 indicates that having the Executive Committee represented is very advantageous and will result in better communication and more joint actions among the division, the Advisory Board, and the officers of IAVAT. The meeting was also attended by H. R. Damisch, Chief in Agricultural Education, State Board of Vocational Education; and Warren Wessels of the Office of the Associate Dean, College of Agriculture.

Items about which recommendations were made included the possible contributions of the division to improving teacher morale and teacher ethics, commendation of the Board of Trustees and the President of the University upon the priority given a new College of Education building, teacher education provisions of the new state plan for vocational education which is now being developed, recommendation that the State Commission on Higher Education be asked to review the provisions for the education of teachers of agriculture in the state universities, recommendation to the district directors that district meetings be provided that would improve communication among the division, the Advisory Board, and the teachers of the state, and recommendation that arrangements be made with the College of Agriculture for a committee, named by IAVAT, to work with the college in planning the curricula and courses for present and prospective teachers of agriculture which are under the control of the college.

The Advisory Board expects to meet again after tentative proposals for the teacher education phases of the state plan have been formulated. Unless there is need for an earlier meeting, the board will meet immediately after the national meeting of head state supervisors and teacher trainers, which is to be scheduled in Washington, D. C., between March 1 and April 15. H.M.H.

New Graduate Assistants. Two new graduate assistants are working under the direction of the staff in Agricultural Education. One of them, Glenn LeCount, who was once the teacher of vocational agriculture at Villa Grove and has since been engaged in farm management and banking in Illinois and in agricultural work in Venezuela, is the new executive secretary of the Illinois Citizens Education Committee, whose office is located in the Division of Agricultural Education. Edwin Morris, a 1958 graduate in General Agriculture with a major in Vocational Agriculture is assigned to the usual duties of an assistant in the division. H.M.H.

General Periodicals of Interest to Teachers of Vocational Agriculture. The widening of interests of teachers of vocational agriculture is one of the signs of the times. Teachers are becoming interested in their school systems, not merely in their departments. Communication between teachers and their administrators is, in many cases, improving. One way in which teachers may acquire a better understanding of the total school situation is by reading regularly one or more of the general school periodicals. Examples are The Nation's Schools, The School Executive, the American School Board Journal, the Education Digest, Better Schools, and the National Parent-Teacher. H.M.H.

Next Joint Staff Meeting at S.I.U. The next meeting of the staffs in agricultural education of the State Board of Vocational Education, the University of Illinois, and Southern Illinois University will be held at Southern Illinois University on October 22. H.M.H.

Teachers of Agriculture as Local Directors of Adult Education. The 1957-58 Directory of Adult Education Programs lists 58 teachers of agriculture as directors of programs of adult education in Illinois public schools. Twenty-eight other teachers of agriculture are listed as co-directors with the teachers of home economics. Average enrollment in the programs which teachers of agriculture "directed" or helped to "direct" was 43, indicating that in most cases the enrollments were confined to students in agriculture or home economics. Could the titles which these teachers of agriculture have been given acquire more meaning? It is perhaps significant that 10 former teachers of agriculture are directors of adult education in their school systems; average enrollment in these programs is 264.

The directory, based on the annual reports of school systems to the Office of the Superintendent of Public Instruction, is available from Alexander E. Lawson, director of adult and veteran education in that office. It shows that Chicago enrolled 47,987 adults in its public schools in 1957-58, while other schools in Cook County enrolled 26,831. Rockford enrolled 5,028, Joliet 3,842, Bloomington-Normal 3,629, and Belleville 3,214. There were 3,754 in the two programs at Moline and Rock Island. There were enrollments of more than 1,000 at Dixon, Decatur, Freeport, Peoria, and Springfield. Six school systems enrolled 250 to 500 adults; 41 enrolled 100 to 249; the others enrolled fewer than 100 or none at all. H.M.H.

Workshop in Nonvocational and General Agriculture. During the four-week summer session in 1958, eight Illinois teachers of agriculture participated in a special workshop on nonvocational and general agriculture. Consideration was given to the importance and place of these types of agricultural education in the public schools as part of general education for most or all students. Several resource persons were used to present materials in various phases of agriculture and rural life. Each enrollee developed materials of value in a local program or course. The workshop will be offered again in the 1959 summer session. G.P.D.

Mimeograph on Nonvocational Agriculture. The Division of Agricultural Education has recently had several inquiries about the possibilities for nonvocational or general agriculture in the public schools. There seems to be a growing awareness of the need for agricultural education as part of the general education of all or most people. The need for education in agriculture designed to familiarize students with important elements in their environment seems especially apparent in Illinois, where less than seven percent of the people live on farms.

A mimeograph entitled "Some Suggested Course Materials in Nonvocational Agriculture" is available from the Division of Agricultural Education, 103 Gregory Hall, University of Illinois. It includes possible objectives, references and teaching aids, and suggested course outlines as developed by persons enrolled in a workshop during the 1958 summer session. G.P.D.

INDEX

October 21, 1958

PRICE LIST OF FEEDS[1/]

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 ton in dollars
Corn, bu.	$ 1.00
Corn, ground, bu.	1.07
Oats, bu.	.51
Oats, ground, bu.	.58
Barley (feed), bu.	.90
Barley, ground, bu.	.97
Sorghum grain, cwt.	1.80
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	1.70
Whole milk, cwt.	3.40
Corn silage, ton & Sorghum silage	8.00-10.00
Grass silage, ton	
No preservative added	6.00- 8.00
Preserved with 70-100 lb. molasses.	7.00- 9.00
Preserved with 150-200 lb. ground corn.	11.00-13.00
Clover and mixed hay)	15.00
Cowpea hay) Add $5 per ton	13.00
Soybean hay) for baled hay.	14.00
Alfalfa hay) and straw.	16.00
Timothy hay)	16.00
Corn stover, ton.	10.00
Oat straw, ton.	10.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6 cents/head/day
Calves and colts, 12 to 24 months old, 7 cents/head/day
Cattle, 24 months and older, 13 cents/head/day
Pigs, 50 to 100 pounds, 1/4 cent/head/day
Pigs, 100 to 150 pounds, 1/2 cent/head/day
Lambs up to weaning, 1 cent/head/day
Sheep or lambs after weaning, 2 1/2 cents/head/day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, November 1958

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

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University of Illinois
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Illinois State Board of Vocational Education

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

December, 1958

Beginners' Jobs. Of the 34 teachers enrolled in Ed. E370, the extramural course for beginning teachers of vocational agriculture, five are working under administrators who were formerly teachers of agriculture. Ten of the enrollees are employed in schools where new or practically new facilities for vocational agriculture are provided. At least three-fourths of the schools that employ beginning teachers have classroom and farm shop facilities comparable to the very best vocational agriculture facilities in some other states. Seven of the 34 beginning teachers enrolled in this course already have master's degrees, and several more have completed some work toward their degrees. P.E.H.

Get Facts, Then Plan Adult Program. The advisory council for the vocational agriculture department at Minonk, Illinois, has completed a survey of 93 farmers in the school district. The purpose of this survey was to secure data that could be used as a basis for planning adult education for farmers in the years ahead. Council members made personal contacts to gather the desired information. On the basis of findings of the survey, six adult farmer courses are planned for the current year. Mr. William Martinie is the teacher of vocational agriculture at Minonk.

Two courses for adults dealing with crops will be taught at Ogden this year by Mr. John Terwilliger, vocational agriculture teacher. With the help of the advisory council and two course committees, Mr. Terwilliger has developed plans for organizing a year-round adult farmer program designed to help farmers determine the cropping system that will produce the highest net income per acre regardless of yields. Each course will provide two organization meetings this fall, three or four planning meetings in early spring, three or four farm-tour meetings next summer, and two or three evaluation meetings next fall after the crops are harvested. Each enrollee will keep complete records on a specified field, and different methods of handling growing crops will be evaluated by analyzing the records of the participants. P.E.H.

Does Vocational Agriculture Help High School Boys Who Become Farmers? Some of the best and most accurate answers to this question are included in a nine-page mimeographed report of a talk given by Dr. Duane M. Nielsen of Iowa State College before the Division of Agricultural Education of the American Vocational Association in August 1958. This report is based upon an extensive and careful study of the differences between farmers who had been enrolled in vocational agriculture in the high school and farmers who had not been enrolled. The report can be obtained from Dr. Nielsen, Department of Vocational Education, Iowa State College, Ames, Iowa. The full title is "The Relationship of High School Vocational Agriculture to Establishment of Graduates in Farming and Other Occupations." H.M.H.

Vocational Education to Be Considered at State School Board Meeting. One of the discussion groups of the Illinois Association of School Boards at its annual meeting at Chicago November 23 to 25 will consider "Vocational Activities--Are They Vital?" Dr. Joseph Ackerman, Director of the Farm Foundation, will be chairman of the panel. Panel members are F. M. Bourland of the Peoria Board of Education; J. E. Hill, State Director of Vocational Education; and H. M. Hamlin. This particular discussion is scheduled for Monday morning, November 24, at 10 o'clock. H.M.H.

Decision-Making in Public School Education in Agriculture. This is, perhaps more than usual, a time for making important decisions about the future course of agricultural education in the individual school systems, in the state, and in the nation. We should be looking at our arrangements for decision-making at all of these levels. Are they such that decisions are postponed and not faced? When decisions are made, are they made hastily and without much consideration of relevant facts and factors? Who makes them? Are all who would be affected, or adequate representatives of those affected, consulted before the decisions are made? Is there adequate consideration of the public interest, or is the decision based upon the interests of individuals and groups?

One gets the impression that too many crucial decisions affecting students are made by teachers and counselors; that too many decisions affecting teachers are made by administrators; that too many decisions affecting the people of a school district are made by boards of education when they should be made jointly by students, teachers, administrators, boards, and citizens, or their representatives.

It is possible to have situations in which all are fairly represented in decision-making; and where they exist, they are beautiful to behold. The effects upon school morale and upon the quality of the school program are tremendous when decisions are faced responsibly, cooperatively, and with full consideration of the facts. I have seen no evidence yet that cooperative decision-making cannot be achieved in any Illinois community that will conscientiously attempt it. H.M.H.

Placement Situation. This report covers the period from October 10 to November 10. Two positions are listed as vacant.

The duties for one position will begin December 1, 1958; the duties for the other position will begin February 1, 1959. One inexperienced teacher and three experienced teachers are listed as available at the present time. There will be only two new men qualifying for teaching in February 1959. A.H.K.

Re-election of Division Chairman. Dr. H. M. Hamlin was re-elected chairman of the Division of Agricultural Education in the College of Education for a four-year term starting January 1, 1959. G.P.D.

Help Needed. I should appreciate any help you can give me in finding out the present addresses and/or occupations of the following:

	Last Known Address
Forrey Clay	Galesburg, Illinois
Merrill Culver	Elmwood, Illinois
William J. Harvey	Thompson, Illinois
John Holmes	Charleston, Illinois
Harold L. Kimmel	Thompsonville, Illinois
Alvin D. Kobernus	Olney, Illinois

	Last Known Address
William F. Griffiths	Carthage, Illinois
Dwight Yockey	Milmine, Illinois
Wendell D. Bader	Browning, Illinois
Ray D. Engberson	Driggs, Idaho
Paul Crouse	Noble, Illinois
Ralph Morgan	McLean, Illinois
Gideon A. Jacot	Bellflower, Illinois
Charles B. Rizer	Villa Park, Illinois
John D. Line	Aledo, Illinois
Jack L. King	Blue Mound, Illinois

Send information to 103 Gregory Hall, Urbana, Illinois, Attention: A. H. Krebs. A.H.K.

Conference for Cooperating Teachers, November 20-21. A new wrinkle in program planning is being tried by the Cooperating Teacher Conference this fall. Each cooperating teacher is going to visit one of his student teachers of last year, who is currently teaching, to get ideas for improving the student-teaching program. The major portion of the conference will be used to find ways to implement the ideas brought to the conference by each cooperating teacher. The cooperating teachers and the first-year teachers they will visit are as follows:

Cooperating Teacher	Teacher to Be Visited
C. Crowley, Gibson City	L. Ourth, Mansfield
J. Keyser, Lawrenceville	R. Brown, St. Francisville
K. Knell, Mahomet	J. Terwilliger, Ogden
W. Martinie, Minonk	R. Balestri, Granville
J. Leming, Neoga	G. Reichert, Findlay
P. Walker, Newton	H. Walls, Taylorville
D. Coil, Tolono	J. Guthrie, St. Anne
R. Twenhafel, Waverly	R. Langenfield, Yates City

A.H.K.

VO-AG SERVICE

Announcements & Notes

Regarding Information to Be Included in the Vo-Ag AIDS. Teachers having announcements or items to be included in the Vo-Ag AIDS should have them in our office on or before the 20th of the month preceding the month of release. That is, items for the January AIDS should reach us by December 20. In cases where sufficient copies of an item are to be sent for mailing with the AIDS, those can reach us as late as the 25th of the preceding month provided we know in advance that they are to be included. M.H.

December Agricultural Releases. The December Agricultural Releases were mailed to 1958-59 subscribers on November 25. If you are a subscriber and for any reason fail to receive your December Releases, we trust you will let us know. M.H.

Motion Picture -- "Growth of a Nation." We are indebted to Mr. Richard L. Kathe, Director of Public Relations of the American Feed Manufacturers Association, Inc., for the following information regarding the motion picture entitled "Growth of a Nation."

> "Growth of a Nation" was produced by Wilding Motion Pictures, Chicago, in 1950. It is 33 minutes long, 16 mm., black and white, and sound. Growth of a Nation is still very much up to date and a fine dramatic story of what the feed manufacturing industry IS. Designed to be especially useful for vocational agriculture and college class rooms, it is the story of a young farm boy who enters a public speaking contest to talk on the role of the feed industry in modern livestock and poultry production. He interviews neighboring farmers, a college professor, a local feed manufacturer, a county agent, and others who can contribute material.

We understand that prints are available from our Visual Aids Service, 205 Arcade Building, Champaign, Illinois. The rental charge is $2.15 plus return postage. M.H.

Motion Picture -- OLD MacDONALD. Another motion picture which we are privileged to announce as a result of the thoughtfulness of Mr. Kathe, referred to in a previous item, is entitled OLD MacDONALD. According to the information we were given, this one "was produced by Galbreath Productions, Fort Wayne, Indiana, in 1957. It is 27 minutes long, 16 mm., full color and sound. Old MacDonald is also a dramatic story and tells what the feed manufacturing industry DOES. Starring Stuart Erwin as John MacDonald, a modern, progressive farmer who is interviewed on the famous, coast-to-coast television program "May We Come Calling?" A message of what is involved in the production of meat, milk, and eggs is carried to city viewers in terms they can understand. This film is particularly adapted for groups interested in improving relationships between farm and city people."

This motion picture is also available from the Visual Aids Service, 205 Arcade Building, Champaign, Illinois, for the rental charge of $2.15 plus return postage. M.H.

New Bulletins and Circulars. Since the last issue of the AIDS, we have received one new circular from the College of Agriculture. It is number 801 and is entitled "Flowering Gift Plants--Their Care and How to Rebloom Them." Because of the nature of this publication, copies were not included with the December Agricultural Releases. The I.A.V.A.T. committee that rates publications is almost unanimously agreed that it is either not suitable for the vocational agriculture program or, at best, is suitable for reference only. There is a charge of 15 cents each in quantities to out-of-state subscribers. Of course, vocational agriculture teachers in Illinois can get copies in the regular way. M.H.

Slidefilms. Prints of all current slidefilms in Vocational Agriculture Service have been sent to members of our Advisory Board. Each Advisory Board member is securing a committee to review prints sent to him and will report back to us. We now have reports from three of the five committees. When the remaining two are received, we will prepare a new listing of slidefilms. Undoubtedly, some of the films now carried in the current listing will be withdrawn. One question we are asking the committees is whether a particular film is to be withdrawn until revised. Where the committee so indicates, such films will be withdrawn. Consequently, you may wish to defer ordering prints until the new listing is available or, if you wish to be certain of getting prints of films that may be withdrawn, you may wish to order at once. M.H.

The Dairyman Goes to Market. During the month we were privileged to have Mr. Milton C. Geuther pay us a visit and discuss some of their materials. Some of you may remember Mr. Geuther as a former agriculture teacher in Illinois. He is now manager of the American Dairy Association, and his address is 505 N. Scott Street, Joliet, Illinois. He informed us that copies of their 32-page publication entitled "The Dairyman Goes to Market" are available at 18 cents each. Teachers interested in securing copies should send their requests direct to the address given. Those who are Agricultural Release subscribers for 1958-59 will receive a complimentary copy in the December Agricultural Releases. The complimentary copies were, of course, made available by the American Dairy Association. M.H.

Potash Hunger Symptoms (Filmstrip). Another visitor to our office during the month was Mr. Warner Nelson, Midwest Manager, American Potash Institute, Life Building, Lafayette, Indiana. While he was here, we discussed with him a slidefilm available from that organization, and he has sent us the following announcement:

> "This film strip, in color, is composed of 22 frames. Symptoms of common field crops, such as corn, soybeans, small grain, alfalfa, and clover, as well as certain vegetable and fruit crops, are included. In the accompanying script some of the roles of K in plants are briefly pointed out. Colors are excellent and the strip should make a valuable teaching aid. The cost of the strip and script is $1.00 postage paid. It may be obtained from American Potash Institute, Inc., 1102 Sixteenth Street, N. W., Washington, D. C." M.H.

Farm Structures--Multi-Purpose Livestock Feeder Plan. Teachers may have noticed an announcement regarding this publication on page 71 of the November "Better Farming Methods," which also includes an illustration of the feeder. The following is taken from the cover of the publication: "The Multi-purpose Livestock Feeder is designed for laboratory training in Farm Structures. To provide vocational learning for a class, construction should be done as a group. Either three or six crews may be assigned."

Mr. Wayne Maley, representative of the American Zinc Association, indicated that copies would be available to teachers who have attended some of their workshops in Illinois. The price is 27 cents for 3 copies. If our records are corrent, teachers who attended the Farm Structures Workshops held at Forreston, Princeton, St. Anne, and Jerseyville, are eligible to obtain copies. Requests should be sent to the American Zinc Institute, Inc., 324 Ferry Street, Lafayette, Indiana.

M.H.

Soybean Farming. We understand that most, but undoubtedly not all, of our vocational agriculture teachers are on the list to receive copies of SOYBEAN FARMING NEWS. Some recent correspondence from Miss Alice Roth, Secretary, National Soybean Crop Improvement Council, Box 108, Decatur, Indiana, indicates that they have on their list 426 vocational agriculture teachers in Illinois. We sent them a copy of the latest directory. Teachers who have not seen the item in the October issue of SOYBEAN NEWS regarding "Soybean Farming" may be interested in the following statement taken from the October issue:

> "Soybean Farming. 1958 Revised Edition. Free copies of this very popular 44-page booklet on the soybean crop are now ready.
>
> Send for your free copy--today!
>
> Extra copies are available for classes in schools and colleges, County Agent's Offices, Veterans Training Adult Classes, 4-H, F.F.A., and other Educational Groups.
>
> Send your request to the National Soybean Crop Improvement Council, Box 108, Decatur, Indiana."

M.H.

Weed Slide Sets. Through the courtesy of Professor Fred Slife of the Agronomy Department, we are able to make available the following sets of colored weed slides:

Set I	Set II
1. Broadleaf Plantain	16. Bracted Plantain
2. Buckhorn	17. Buffalo Bur
3. Chicory	18. Burdock
4. Corn Cockle	19. Daisy Fleabane
5. Jimson	20. Dog Fennel
6. Johnson Grass	21. Flower-of-an-Hour
7. Lambs Quarter	22. Flowering Spurge
8. Leafy Spurge	23. Ground Cherry
9. Common Milkweed	24. Horsetail
10. Pepper Grass	25. Joe-Pye Weed (Thoroughwort)
11. Perennial Sow Thistle	26. Spanish Needles
12. Smartweed	27. Water Hemlock
13. Velvet Weed	28. Whorled Milkweed
14. Wild Carrot	29. Wild Onion
15. Wild Parsnip	30. Yarrow

Vocational Agriculture Service will take orders for either one or both of these sets through January 2, 1959 (orders to be in our office no later than January 2). We plan to make a composite order of all orders we receive by that date and have duplicate slides made from those furnished by Professor Slife.

The price per set will depend in part upon the number of orders received, but the price will not exceed $4.00 per set, f.o.b. Urbana, or $8.00 for two sets, f.o.b. Urbana.

Most of the slides are of one or a few plants and have a black background.

We cannot guarantee that these colored weed slides will again be available on this basis and therefore urge that you order before January 2, 1959, if you are interested.

If for any reason you are not able to place an order by the above deadline but wish us to reserve a set or sets for you, we will be glad to consider special cases if you will make your request prior to January 2. M.H.

Changes in Production of Field Crops. Through the thoughtfulness of Mr. H. L. Portz, Assistant Dean of Southern Illinois University, Carbondale, Illinois, we are privileged to make the following announcement:

Professor G. H. Dungan is the author of a publication entitled "Changes in Production of Field Crops." This is printed and distributed through the School of Agriculture, Southern Illinois University, Carbondale. In the introduction, the author states that "The charts in this publication tell a story graphically and need little explanation other than the brief comments that are made concerning their meaning. The charts show the part of the state designated as southern Illinois, the average yield per acre from 1925 through 1956, and the chart curves showing yield per acre and acreage trends throughout this thirty-two-year period."

The summary includes such facts as "Corn yields per acre show a rapid rise during the period of 1940 to 1956...Oats have gained ground slightly over the thirty-two-year period as far as yields per acre are concerned, but this crop has declined in acreage. This loss in area reflects the relative economic disadvantage of oats as a crop in Illinois...Rye yields on an acre basis have increased more in southern Illinois than in the state as a whole. Acreage of rye has increased in southern Illinois, whereas in the state it has declined slightly."

A limited number of copies are available. If you desire one, please send your request direct to the School of Agriculture, Southern Illinois University, Carbondale, Illinois. The available supply probably will not permit quantity distribution to individual schools, since there were not sufficient copies to send one to each of our Agricultural Release subscribers this year. Consequently, we are taking this means of calling this publication to the attention of our readers. M.H.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

CONSERVATION OF NATURAL RESOURCES. 1958. Guy-Harold Smith, Editor. $8.50. John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, New York.

On the jacket of this book is the statement that "This revised edition provides an authoritative survey of present aims, methods, needs, and accomplishments of conservation in the United States. Prepared by nineteen specialists, the book offers information on the conservation of both human and natural resources.

"Because of its topical value, a new chapter, 'Economics and Conservation,' has been added. This chapter defines fund resources and flow resources, and discusses the methods (subsidies, bonuses, etc.) used to control resource consumption. Five other sections have been completely rewritten." M.H.

THE WESTERN HORSE. 1958. Gorman. $4.50. The Interstate Publishing Company, Danville, Illinois.

Perhaps the following statement taken from the introduction will give the reader an insight into the nature of this publication. "It is the purpose of this book to describe the breeds, types, and crosses of breeds of horses that are found in the western states; and to present methods of training. The detailed history of the better known breeds is not discussed to any great extent, since there are books and breed literature that cover that field...It is realized that there are many methods of training and that not all readers will agree with the author on some of the methods described. However, all westerners will agree that there is much that can be done to make the western horse safer and more useful." M.H.

THE MEAT WE EAT. 1958. Ziegler. $4.00. The Interstate Publishing Company, Danville, Illinois.

According to the preface, "A presentation of the basic facts concerning the Meat We Eat is the primary aim of this text. In it the author attempts to discuss rather briefly many of the practical and scientific phases of the nation's third largest industry, and sincerely hopes that the discussion may be found helpful, useful, and interesting to the farmer, the student, and the housewife. Clarity may have been sacrificed somewhat for brevity, but his experience with present-day students leads him to believe that 'weeded fact' rather than 'cultivated words' are desired." M.H.

APPROVED PRACTICES IN BEEF CATTLE PRODUCTION. 1958. Juergenson. $2.75. The Interstate Publishing Company, Danville, Illinois.

Perhaps our readers can best judge the nature of this publication from the following taken from the preface of the book: "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 beef enterprise. An approved practice in beef production is a farm practice which has been tried and tested by State Agricultural Experiment Stations, U.S.D.A., and/or successful farmers in the community and found to be desirable practice to follow for most efficient beef production. Consequently, 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 beef business." M.H.

SOUTHERN HOG GROWING. 1958. Scarborough. $3.50. The Interstate Publishing Company, Danville, Illinois.

The foreword gives the following information regarding this publication: "Hog production is an important part of the farming program on the farms of the South. For many years hogs have been produced in great numbers in this section. In recent years there has been a marked effort to improve hog farming practices in the South...This book has been written primarily for the use of youth and adults enrolled in vocational agriculture classes in the South. It is hoped that it will serve as an aid to present and future farmers seeking factual information to guide them in setting up and carrying on better programs of hog farming on their home farms. It deals with the jobs and problems connected with the enterprise in the South." M.H.

DISEASES OF SWINE. 1958. Howard W. Dunne, Editor. $12.50. Iowa State College Press, Press Building, Ames, Iowa.

The first two paragraphs of the preface of this book give the reader a rather clear understanding of the nature of this publication: "Forty-eight authors have devoted themselves to a common cause in this volume: the publication of a systematic arrangement of complete, accurate, and most up-to-date information on Diseases of Swine. Every effort has been made to present the facts and theory in a logical manner for direct application in veterinary practice, veterinary schools, and in research. Emphasis has been placed on accuracy and thoroughness.

"Both the practitioner and the student should find the cross-referencing and arrangement of chapters easy to use. Uniformity of chapter arrangement has been stressed within the limits of comparative subject matter, while at the same time preserving authors' individual styling. A definite attempt has been made to keep duplication at a minimum without disrupting subject continuity and clarity within a given chapter." M.H.

THE COMPLETE OUTBOARD BOATING MANUAL. 1958. Ernest Venk. $4.95. The American Technical Society, 848 East 58th Street, Chicago 37, Illinois.

The first paragraph of the preface reads as follows: "Whether you are a beginner selecting your first outboard motor, or a mechanic planning to become a specialist in the repair of outboard motors, the information in this book is essential to your pleasure--and success."

The following, taken from the jacket, may give you additional information as to the nature of this publication: "Planning to buy an outboard motor? Is it the right one for the boat you will use? For your kind of boating activity? Is this your first motor, or have you already become one of the more than six million outboard owners who have succumbed to the lure of America's water wonderways in this uniquely American manner? In any case, you will find the answers to your outboard boating problems in The Complete Outboard Boating Manual. Here is a gold mine of valuable information that will bring greater fun, efficiency, and savings to your outboard adventures."

AUTO-MECHANICS, Course 3 (Revised Automotive Electricity). 1957. Ray F. Kuns. $2.35. The Bruce Publishing Company, 400 North Broadway, Milwaukee 1, Wisconsin.

The following information has been taken from the section of the book entitled "How to Get the Most From This Book": "First, let us tell you frankly that you may find this book a little hard to study. Obviously, a textbook in auto mechanics is not a story magazine. As you study, you must be sure you really understand what you are reading...Take a look at the table of contents of this book to see what topics the units cover. Turn to the back of the book and notice the glossary; it gives you definitions of all the technical words and phrases used in the book. It is the kind of auto-mechanics dictionary for your use as you study...

...As you study the book, you will want to know whether you have really learned what you are studying. So that you can check yourself regularly we have inserted a test every eight or ten pages, as a rule. These tests cover only the material on the pages just ahead of them. At a number of places in the book are longer tests that cover a number of units, and at the end is a sample that covers all the important ideas of the book. Answers to all tests are at the back of the book.

"These tests are put in so that you can find out whether you have learned what you want to learn. Be fair with yourself. Think about each question carefully, give it the best answer you can, and don't look up the answers until you have done so. Above all else, if your answer is wrong, go back to the text, find the right answer, and be sure you understand why it is the right answer. You are only kidding yourself if you look up the answers first.

"We don't promise that studying this book will make you a first-class auto mechanic. We do believe, though, that by working with it carefully you will get a pretty good idea of what makes a car go, and of how to keep it going." M.H.

AUTOMOTIVE ESSENTIALS. 1958. Ray F. Kuns. $4.96/$3.72. The Bruce Publishing Company, 400 North Broadway, Milwaukee 1, Wisconsin.

The preface states: "This is a beginner's textbook, based on fundamentals, and contains essential automobile information. Exact knowledge of the contents of this text will place the student in a position to intelligently select, use and repair automobiles and automotive equipment...The learning process in this field is enhanced by the disassembling and reassembling of the units being studied. In the text both processes are resorted to. Essential parts are disassembled, and each step is illustrated and the design discussed...The book represents a definite plan of instruction. The initial chapter deals with the car as a unit, and breaks it into minor units. Succeeding chapters break these units into their component parts, and so on, until each and every essential part has been illustrated and discussed." M.H.

FARM TRACTOR MAINTENANCE. Brown and Morrison. $3.00. The Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois.

In the preface to the second edition of this book, we find the following: "In this new edition of Farm Tractor Maintenance, an attempt has been made to adhere to the principles of the first edition. It is hoped that the book will be of value to farmers, students and teachers.

"Emphasis throughout is placed on preventive maintenance. Tractors and engines have been greatly refined and improved since the first edition was published. The need for careful servicing and preventive maintenance has increased in importance with the continuing mechanical improvement of tractors. This edition is written with the hope of preventing many costly unnecessary repairs...Much material has been added on fuels, oils and diesel engines. New chapters have been added on general maintenance, air cleaners and crankcase breathers, the fuel, ignition, hydraulic and power transmission systems." M.H.

GENERAL SHOP HANDBOOK. 1958. Willoughby and Chamberlain. $1.64. Charles A. Bennett Company, 237 N. Monroe Street, Peoria 3, Illinois.

The following statements are taken from the preface: "During our teaching experience, aggregating some sixty years, in small as well as in large school systems, we have encountered many of the problems of instruction and have come to realize the desirability of having printed instruction material in the hands of every pupil for use at home as well as in the school shop. Extensive practical experiences, also, have helped us to appreciate this need.

"On the basis of these experiences, we have, for many years, accumulated material, especially from manufacturers and distributors, and have attempted to organize it for most effective and economical instruction in planning and carrying out a variety of jobs, both in school and at home. The material included in this book is what we think is most needed...Industrial Arts, as a subject area, is rich in opportunities for youth to plan, to think, to do, and to question. Suggestions on 'Things To Do and Think About' are placed at intervals throughout the text in the belief that our young people want to know 'why' as well as 'how'. Other 'Do and Think' items will occur to the teacher and alert students." M.H.

SUCCESSFUL TRUCK FARMING. 1958. Gerald J. Stout. $6.25. The Macmillan Company, 60 Fifth Avenue, New York 11, New York.

The foreword states: "Books on vegetable culture usually deal only with crop production, covering such items as varieties, soil preparation, planting, and cultural practices...Knowledge of cultural details, however secured, is essential to success, but there are factors other than these that affect financial outcome. Too little or no attention has been given them, they have remained in the background...It is to these controlling factors that Dr. Stout in his 'Successful Truck Farming' directs attention. This is a new fundamental approach that applies to all vegetable crops wherever grown. Some of these factors are natural to the environments of all locations, as soil, rainfall, temperature, humidity, frost, wind, and light. With these, as Dr. Stout emphasizes, the grower must work. They cannot be avoided since they are inherent in the surroundings of plants. Ways in which most of them man-made, labor, machines, transportation, governmental regulations, refrigeration and storage, are related to production and financial returns. These too are discussed and evaluated." M.H.

DECISION MAKING AND MANAGEMENT FOR FARM AND HOME. 1958. Carl C. Malone and Lucile Holaday Malone. $3.95. Iowa State College Press, Press Building, Ames, Iowa.

The preface states: "This book is for farm families and those who teach and counsel with them. It deals with the management of the farm, home, and family as a unit; it considers farm people as they live their everyday lives. Since, for them, farming, homemaking, and living go together, we have considered these matters jointly."

Further information on the nature of this publication may be obtained from this statement taken from the jacket: "In our modern economy, farming is becoming more and more a commercial occupation involving the use of capital. There farm management is far more complex than it used to be, and demands better-developed skill in decision making and management. Farm families have always had to work and manage for themselves, and most of them recognize the importance of planning. But never before has there been a comprehensive drawing together of the 'whys' and 'hows' of unit farm-family planning. Never before has there been a detailed laying out of how individual family members can act together to achieve family goals. Here is such a book." M.H.

EDUCATORS GUIDE TO FREE TAPES, SCRIPTS, AND TRANSCRIPTIONS. Fifth Annual Edition--1959. Compiled and Edited by Walter A. Wittich and Gertie Hanson Halsted. $5.75. Educators Progress Service, Randolph, Wisconsin.

A letter from Mr. A. P. Horkheimer of Educators Progress Service gives the following information regarding the Guide: "We would like to call your particular attention to the new features of this publication as indicated in the publisher's foreword on page III of the Guide. Reprints of the article, 'Audio Materials and Instruction,' by Dr. Walter A. Wittich, will be furnished free to educators and librarians who ask for them."

Some of the new features referred to in the publishers foreword are as follows: "This FIFTH edition of the EDUCATORS GUIDE TO FREE TAPES, SCRIPTS, AND TRANSCRIPTIONS is completely revised. Of the 503 listings, 98 are new in this edition. The number of sources providing these vibrant teaching aids has nearly tripled since the first edition. These two facts bring into sharp relief the pressing demand for, and the tempo in the development of, these relatively newer types of educational materials...This GUIDE lists 80 free tapes, 306 free scripts, and 117 free transcriptions, a total of 503 free audio aids and scripts. It brings to the boys and girls of our nation rich experiences not otherwise available." M.H.

LEATHERCRAFT. 1958. Groneman. $3.68. Charles A. Bennett Company, 237 N. Monroe Street, Peoria 3, Illinois.

According to the preface, "Leatherwork is one of the world's oldest, best-loved, and most satisfying handcrafts. It plays an important role in satisfying both utilitarian and decorative uses in the everyday life of people. In this book special attention is devoted to many of the essential details of leathercraft needed by the beginning student or home craftsman if he wishes to produce attractive pieces of work. The most widely accepted processes are presented in an easy-to-follow procedure, with each important detail clearly illustrated. This modern up-to-date, how-to-do-it book includes outline and relief tooling of lightweight leathers, and carving and stamping of heavier ones. These decorative processes are in addition to other fundamentals." M.H.

GRAPHIC ARTS. 1958. Carlsen. $3.60. Charles A. Bennett Company, 237 N. Monroe Street, Peoria 3, Illinois.

According to the section of the publication entitled The Plan of This Book, "This text covers the basic fundamentals in each of the activity areas in general graphic arts. Emphasis has been placed on the manipulative operations which are illustrated in their proper sequence in doing a simple job from beginning to completion. Since every job is made up of one or more operations, the typical jobs which have been illustrated and explained in each area provide an opportunity to better understand the operations and to visualize the various steps in their proper order."

Some of the phases included in this publication are The Platen Press, Silk Screen, Book Binding, Photography, and Office Duplicators. M.H.

HOMEMAKING FOR TEEN-AGERS. Book 2. 1958. McDermott and Nicholas. $4.96. Charles A. Bennett Company, 237 N. Monroe Street, Peoria 3, Illinois.

According to the preface, "This book is designed as a text in home economics for senior high school students. It was planned as a sequel to HOMEMAKING FOR TEEN-AGERS, Book One, previously published as a text for junior high school pupils. The authors wish to emphasize the fact that this book is not a repetition of Book One, but a continuation of learning experiences in the field of homemaking which will meet the needs and interests of senior students...Without question, this changing pattern of family life points to the need for sound money management in the home. How to spend the family income so as to best provide for the family needs. How to select the kind of household equipment which will best serve the family....Other factors affecting the changing pattern of family living should be reflected in our curriculum. A large number of women--wives and mothers--now work outside the home, thus assuming the bread winner's role. Also more men are taking over a share of homemaking responsibilities. Certainly both boys and girls should learn how to participate in the new pattern of family living." M.H.

TO: Vocational Agriculture Service
434 Mumford Hall
Urbana, Illinois

Please send the items indicated below, which are listed in the December AIDS, to the undersigned:

_____Set I--$4.00

_____Set II--$4.00

_____Sets I and II--$8.00

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Signature

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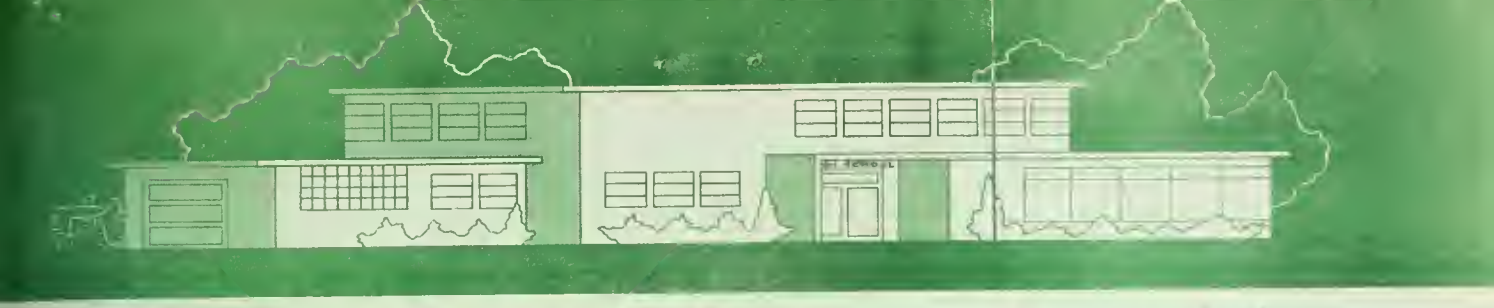
Address



AGRICULTURAL EDUCATION NEWS

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

FROM THE PRESIDENT'S DESK

Again this year the I.A.A. is honoring teachers who have given service to farm people for a quarter of a century. Diamond service pins will be presented to E. E. Mayhew, Chicago Heights; Claude L. Nelson, Stronghurst; Wayne M. Rich, Manteno; and C. E. Wick, Pearl City. In place of the annual dinner for presidents of various associations in the state, a memorial service is to be held for the late Otto Steffey, past president of the I.A.A. It shall be my privilege to attend this service along with the general session on Wednesday evening, November 19.

N.V.A.T.A. News

George W. Buchanan, vice-president, Region IV, informs us that the Executive Committee will meet in Chicago during the Thanksgiving holidays.

The big event of our N.V.A.T.A. for November was the promotion of Farm-City Week for 1958. This national event is aimed at dramatizing the interdependence between the rural and urban segments of American society. Active participation in this program should be especially valuable at the local level. The success of the program depends on local action.

Farm-City Week is planned and carried out at the national level by representatives of over one hundred national organizations representing industry and agriculture, with Kiwanis International acting as the coordinating agency. The Board of Directors, composed of thirty-nine members, are representative of all the 140 firms, groups, and organizations participating as members of the National Committee. Bob Howey represents the N.V.A.T.A. on the Board of Directors.

A.V.A. Report to Affiliated Associations

Following are some comments from L. A. Burkett, A.V.A. assistant executive secretary:

Last year there were only about 29,000 A.V.A. members out of a potential 100,000 persons. This means that only a minority group is carrying the responsibility for promoting and improving a program that is benefiting such a large part of our population. All of us in our association should be quite proud of our affiliation with the A.V.A. and should encourage others to join.

Alex Dreier, noted commentator, saluted vocational education recently over NBC-Monitor. Records are available at $2.50 each. Send requests to the A.V.A. Office, 1010 Vermont Avenue N. W., Washington 5, D.C. This record points out the contributions that vocational education is making to the education of youth and adults to live in our changing society and economy.

Mr. Burkett in closing, remarked, "Never before in the history of our program have attacks on it gained so much momentum. Our challenge to meet the training needs of a changing society and a rapidly growing economy is unprecedented."

Cost of Programs of Vocational Agriculture

The following is quoted from a study by Jewell Colliver, Department of Education, Frankfort, Kentucky:

"Since the quality of a program of vocational agriculture depends highly upon the teacher, the salary he is paid deserves consideration. The competition for the services of a teacher of agriculture are found in other types of work outside teaching. At present the average salaries of the teacher of agriculture are much lower than those in other work requiring similar academic training."

Committee Activities

The Advisory Board for the Agricultural Education Division, University of Illinois, met in Gregory Hall October 3 and 4. Problems that are to be considered this year include:

1. Help plan newsletter.
2. Advise I.A.V.A.T. and the Ag. Ed. Division regarding teacher education concerning the Revised State Plan.
3. Advise the Ag. Ed. Division regarding its role.
4. Get a contact committee from I.A.V.A.T. to work with the College of Agriculture Faculty on agriculture courses for present and prospective teachers of agriculture.
5. Continue to communicate with the agriculture teachers of the state to:
   a. Determine if the Ag. Ed. Division meets their needs.
   b. Continue to ask for district meetings.

The I.V.A. Convention Program Committee has just about completed arrangements for the convention program. The I.A.V.A.T. program will be on March 20 in the Pere Marquette Hotel in Peoria. In the morning there will be reports from the Agricultural Education Department, University of Illinois, the Vo-Ag Service, the State Supervisory Staff, and the Agricultural Education Staff, Southern Illinois University. Harold Drake, who is making the arrangements for our part in the convention, reports that the main part of the I.A.V.A.T. program will be centered around the importance of chemistry and chemicals in agriculture. The executive committee will meet at the time of the convention. Let's plan to have a large majority of our members present at this next convention.

In December 1959 the A.V.A. and I.V.A. will hold a combined convention in the Conrad Hilton Hotel in Chicago. Since the N.V.A.T.A. will have its meetings at the same time, why wouldn't this be a wonderful opportunity for our members in the I.A.V.A.T. to attend? In this way a much greater proportion of our organization will have the privilege of observing our national organization at work.

The F.F.A. Foundation Executive Committee met in Springfield on November 7. The main purpose of this meeting was to develop cumulative record forms for the use of students in the Foundation Award fields. In order to initiate this program, the committee selected three Foundation Award programs for revision. The Farm Mechanics cumulative forms are to be available to the teachers by January 1. Farm Electrification and Safety forms should be available by September 1. If these initial forms prove to be acceptable to the teachers, more will be developed during the next year.

A committee for the Study of Evaluation Guide for production awards have correlated the measures of efficiency for production awards with those in the Project Record Books. Implementing these changes should make it much easier for the student to transfer the information from his Project Record Book to the Production Award Evaluation Guide. This committee included Dr. G. P. Deyoe, Dean Sims, William A. Doerr, John Herbst, Robert Liehr, and Ralph Guthrie.

Sectional News

Section 1. Clifton E. Wick reports that in their sectional judging contest on November 8 the grain contest included alfalfa and corn silage, hay, and corn grading. This is in addition to the rings of seeds and identification of crop and weed seeds. On December 3, a dinner was held for vocational agriculture teachers and superintendents.

Section 2. A land use selection contest was held at Erie on September 24. Elmer Gerlach of Mt. Carroll has been appointed permanent manager of the section. Royal McCormick of Rock Falls is on a diet.

Section 3. The Vo-Ag teachers and administrators held a dinner meeting at Galva on November 5. A panel discussed the following questions: 1. Should we teach non-farm boys vocational agriculture? 2. Should we attempt to keep farm boys in vocational agriculture? 3. What kind of adult vocational agriculture program do you like in your community? 4. What does the vocational agriculture teacher do in the summertime?

Section 4. A one-day short course on beef production has been scheduled for Saturday, December 13, at Warren High School. Professor Neumann will discuss market grading, implants, treating for grubs, purchasing cattle, tranquilizers, and feeding set-ups. Approximately one-half day will be spent in the classroom and one-half day on a modern beef cattle feeding farm.

Section 6. Robert Vogen informs us that Sections 6 and 7 cooperate in judging each other's contests. Included in this exchange are parliamentary procedure, public speaking, selection of foundation award winners, and selection of chapter contest winners. Donald Barrett of Huntley made up a tentative sectional calendar and sent it to administrators and agriculture teachers in May. The administrators had an opportunity to go over the program, make comments, and approve the program. Many favorable comments on this type of approach have been made.

Section 11. Kenneth Stevens reports that sixteen schools participated in a fatstock and dairy judging contest at Western Illinois State University on October 20. Six rings of fatstock and five rings of dairy were judged. Official judges were prominent livestock breeders in the community.

Section 19. Share-the-idea meeting is an annual event. Each teacher demonstrates or presents some idea that he has had success in using. A secretary takes notes, and each teacher attending receives a copy of the ideas presented. E. P. Staff of Pana has moved into a brand-new department. Ed Dunphy is also having moving problems, as he has a completely new department. L. E. Hunsley also has a new shop and classroom. Paul Bennett of Findlay has moved up to an administrative job. Gordon Reichart is the new Ag. teacher.

Keep the news coming to:

Ray Dunn
840 South Farnham Street
Galesburg, Illinois

INDEX

November 21, 1958

PRICE LIST OF FEEDS[1/]

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 ton in dollars
Corn, bu.	$ 1.03
Corn, ground, bu.	1.10
Oats, bu.	.53
Oats, ground, bu.	.60
Barley (feed), bu.	1.00
Barley, ground, bu.	1.07
Sorghum grain, cwt.	1.85
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	1.70
Whole milk, cwt.	3.40
Corn silage, ton & Sorghum silage	8.00-10.00
Grass silage, ton	
No preservative added	6.00- 8.00
Preserved with 70-100 lb. molasses.	7.00- 9.00
Preserved with 150-200 lb. ground corn.	11.00-13.00
Clover and mixed hay)	17.00
Cowpea hay) Add $5 per ton	15.00
Soybean hay) for baled hay.	16.00
Alfalfa hay) and straw.	18.00
Timothy hay)	17.00
Corn stover, ton.	11.00
Oat straw, ton.	12.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6 cents/head/day
Calves and colts, 12 to 24 months old, 7 cents/head/day
Cattle, 24 months and older, 13 cents/head/day
Pigs, 50 to 100 pounds, 1/4 cent/head/day
Pigs, 100 to 150 pounds, 1/2 cent/head/day
Lambs up to weaning, 1 cent/head/day
Sheep or lambs after weaning, 2 1/2 cents/head/day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, December, 1958

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

Volume 17, Number 6

January 1959

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

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

Our deepest sympathy goes to Dr. H. M. Hamlin and family in the loss of Mrs. Hamlin, who passed away in November after a long illness. Mrs. Hamlin, in addition to her work as a homemaker, devoted considerable time to the Congregational Church and other worthwhile community activities.

Public Relations

All of us who read Dr. Mobley's report from Washington in the November 1958 issue of the A.V.A. Journal realize that it took quite a struggle to get funds included for vocational education in the Area Vocational Education Bill.

Dr. Mobley predicts that again in January Congress will try to repeal the Smith-Hughes Act and George Barden Act. A lot of work on the part of all of us in vocational education will be necessary to head off this action.

Each one of us is concerned with good public relations about our agriculture program. The continued presentation of information to the public relative to our activities will go far in gaining additional support for us in the agricultural education field.

Any new ideas or refreshed old ones should be sent to C. J. Kuster at Normal. He is chairman of our Public Information Committee.

N.V.A.T.A. News

The N.V.A.T.A. meeting in Kansas City during the F.F.A. Convention was attended by 350 teachers. This meeting, along with the coffee hour for student teachers, has become an important part of the National F.F.A. Convention.

Items discussed by President Luther Hardin during the advisers'meeting were:

1. Heavy workload of national officers.
2. Need for a full-time executive secretary.
3. Services received for $1.50 dues.
4. Importance of keeping Congressmen informed.
5. National Farm-City Week.

6. Importance of state newsletters.
7. The "30-Minute Club."
8. Necessity for 100 percent membership.
9. The Chicago Convention.
10. Securing copies of N.V.A.T.A. Creed.

Bob Howey represented N.V.A.T.A. at the meeting of the National Safety Council. A report of this meeting was given by Bob at the executive committee meeting the latter part of November.

In the Region IV Newsletter we found a report that Arkansas has formed a State Advisory Committee for Vocational Agriculture with 100 members from the 75 counties. Members of the committee include farmers, bankers, and businessmen interested in a continued strong program of vocational agriculture.

Committee Activities

The Contest and Awards Committee recommended that the following procedure be followed for the 1959 contests:

1. That the F.F.A. State Finals Judging Contest be held at the Springfield Fair Grounds for 1959.
2. That the Judging Contest Finals be held at night.
3. That the State Judging Contest be held at the University of Illinois and on a one-day basis.
4. That the meat and milk contest be held on the same basis as it was in 1958.
5. That Mr. Twardock and Mr. Burgener be in charge of team registration for 1959 Contest.
6. That branding numbers be used next year on all animals to be graded.
7. That the procedure for paying registration fees be the same as was followed in 1958, plus $1.00 per meat or milk teams entered, if this contest is held.
8. That the judging contest date be June 23 if it does not conflict with the dairy science program.

An I.V.A. Board Meeting was held in Chicago on December 6. I. L. Brakensiek and your president attended this meeting as representatives of the I.A.V.A.T. affiliate. This combined A.V.A.-I.V.A. convention should be the largest meeting ever held. The opportunity for our association to participate in a national convention will never be more convenient. The N.V.A.T.A. has scheduled its meetings on Saturday, Sunday, and Monday, December 5, 6, and 7, which will make it possible for our members to attend with very little loss of school time.

Sectional News

Section 1. Dean Finch reports that they departed from the conventional grain judging contest by using four classes of hay, silage, corn, and oats for grading, rather than placing in rings of four. They also had three rings of crops for placing and crop and weed seed for identification.

W. C. Asbury, Leaf River, conducted a sectional meeting on "Using Our Farm Mechanics Facilities to the Best Advantage."

The Forreston Chapter is trying a new project in beef production. A carload of feeder cattle was purchased from a dealer. The cattle were sorted in lots of five, each boy to purchase at least five animals. A note was given in payment by each boy. The father signed the note. The calves will be exhibited as groups, with heavy weight given to records kept, gains and costs. Educational values should include proper feeding, management, financing, and marketing.

Section 6. A dairy calf and heifer sale for F.F.A. and 4-H members only was sponsored by the McHenry County Purebred Breeders Association. Don Barrett reports that this sale was a real break for any F.F.A. boy looking for type and production. The average price paid by the boys was $120.00. Many of the heifers that sold had records of 450-600 pounds of butterfat behind them.

Section 12. Ten chapter advisers and delegates attended the National F.F.A. Convention.

A livestock clinic is being considered to replace a sectional livestock judging contest. A committee is studying the possibility of such a clinic, with Dick Herm of the Peoria Livestock Yards in charge.

Fred Russell commented on the excellent sectional grain show put on and supervised by Bill Renoud of Havana.

Section 14. R. D. Bast reports that a Land Judging Contest was held, and an airplane lift was enjoyed by 118 boys and their advisers in connection with the program. While each half of the teams judged, the other half was given airplane rides. This entertainment was sponsored by the Sears Roebuck Foundation and arranged by host teacher John Sweeny and V. E. Burgener.

The Parliamentary Procedure Contest was hosted by R. D. Bast at Glenwood on November 5. A lively contest was held by eight teams and presided over by parliamentarian Bill Doerr of Raymond.

John Sapp was host to the Grain Show held on November 14 at New Holland.

The tenth annual Vocational Agriculture Conference sponsored by CILCO was held on November 19 at Peoria. A most interesting program on technical and mechanical advances in agriculture was presented, as well as some interesting demonstrations and displays. Teachers who were invited and present were C. A. Armstrong, Eldon Behle, Bob Clark, and R. D. Bast.

Section 15. Ardell Kimmell was host to the sectional meeting on "Sharing the Idea" in farm mechanics. Many workable ideas were presented at this October 23 meeting.

Stanley Klaus and Don Higgs did an excellent job of including and arranging a livestock grading contest as part of the sectional judging contest.

Keep sending in the news to:

Ray Dunn
840 South Farnham Street
Galesburg, Illinois

VO-AG SERVICE

Announcements & Notes

Revolving Jar Holders for Small Items--Price Changes. As much as we dislike to do so, we are forced to increase prices on our revolving jar holders. On the device with 36 14-oz. jars, the new price, effective immediately, will be $7.00, f.o.b. Urbana. On the device with 48 4-oz. jars, the new price will be $5.25, f.o.b. Urbana.

Since our prices are based on actual costs, we do not have a margin to cushion increases in cost. Consequently, we must pass these increases on. We now have more than 10 gross of the jars; but if the price spiral continues as it has, we will probably find it necessary to increase prices again when we order a new supply. M.H.

Jars for Revolving Device. An increase in the cost of jars is primarily responsible for the increase, listed elsewhere in the AIDS, in our holders for small items. Effective immediately the 14-oz. jars with covers will be $1.25 per carton of 12, while the 4-oz. jars with covers will be $2.80 per carton of 48. Prices are f.o.b. Urbana and are based on full cartons only. M.H.

Concrete Kit Items for Sale. Vocational Agriculture Service will accept orders for items in the concrete kit now on loan in most of the 25 sections. You can order as many or as few of any or all of the items as you desire, BUT orders should reach our office by February 1. We expect to make up sets of forms and breaking machines (and to make a composite order for the other items) on the basis of orders on hand as of February 1. We do not plan to carry these items in stock, and neither do we plan to order more than are needed for filling orders on hand February 1. Please be guided accordingly.

The individual items have been listed on a tear sheet included with this issue of the AIDS as a convenience to those wishing to order. If you have previously placed an order for items in the kit, please fill out the form and return it with a notation that you had ordered previously. M.H.

Subject-Matter Units. Eleven subject-matter units are now ready for distribution. Individual copies were sent with the January Agricultural Releases, and mailings were made on December 31 to those who placed advance orders for units to be released during 1958-59. We have now completed mailing all of the subject-matter units that will be released during this school year. Copies of any of the units released to date are available, and information regarding them will be found elsewhere in this issue. The eleven just released are listed on the accompanying tear sheet. M.H.

January Agricultural Releases. On December 31 we mailed January Agricultural Releases to all on our list of subscribers for 1958-59. If you fail to receive your Releases within a reasonable time, please let us know. M.H.

Plant Disease Transparencies. Mr. Knake of our office received the following information from Mr. Arden F. Sherf, Extension Plant Pathologist, Ithaca, New York:

> The Extension Committee of the American Phytopathological Society announces the preparation and sale of seven sets of colored slides depicting common plant diseases. These are high-quality slides chosen from pathologists from all parts of the United States. The slides are in 2 x 2 inch cardboard mounts, numbered and filed in plastic boxes with each set having a syllabus for identification purposes. The price is a nominal 21 cents per slide including postage and insurance.
>
> These slides should prove to be valuable teaching aids for county agents, vo-ag teachers, commercial chemical sales personnel and foreign agricultural workers interested in the outstanding diseases of United States crops. Sets should be ordered by number and title by writing directly to:
>
> Photo Science Department, Day Hall
> Cornell University
> Ithaca, New York

Set Number	Title	No. Slides	Cost @ 21¢
1	Cereal and Forage Diseases	49	$10.29
2	Tree Fruit Diseases	51	10.71
3	Small Fruit Diseases (includes grapes)	52	10.92
4	Cotton and Sugar Beet Diseases	34	7.14
5	Tomato and Potato Diseases	45	9.45
6	Muck Crop Diseases (onions, lettuce, celery)	24	5.04
7	Miscellaneous Vegetable Diseases (beans, crucifers, cucurbits, peppers, sweet corn, carrots, peas)	54	11.34

E.L.K.

Complete "Replanning Agricultural Education in Illinois Schools." The Agricultural Education section of News and Notes in this issue contains an announcement regarding the complete report on "Replanning Agricultural Education in Illinois Schools." This item has been listed on the tear sheet for the convenience of those wishing to order copies through our office. M.H.

What Does It Cost to Raise Corn? This article appeared in the Summer-Fall 1958 issue of the Plant Food Review. It should be of interest to anyone who raises corn, and especially to Vo-Ag students who are now closing their corn records. Well-kept records can provide the student with most of the cost figures shown in the article. Teachers may also wish to refer to the detailed cost report which was included with the April 1958 Agricultural Releases. J.H.H.

F.F.A. Roadside Signs. This note is to call the attention of those concerned to the deadline date of January 15 for delivering to our Vo-Ag Shop and Storage Building those F.F.A. signs that need reconditioning this year. M.H.

Winter Short Courses in Agriculture and Home Economics. Various releases have gone out from the College regarding the winter short courses, and I understand that one or more of them have also been sent to vocational agriculture teachers in Illinois. The dates are February 2 to March 13, 1959. If you fail to receive this material, or if you need more details, write to Mr. Warren Wessels, Short Course Supervisor, 104 Mumford Hall, College of Agriculture, Urbana, Illinois.

M.H.

George W. Doak Memorial Scholarship. We are indebted to Dean C. D. Smith for the following information regarding the George W. Doak Memorial Scholarship:

> Contributions to the George W. Doak Memorial Scholarship fund now total $1,150. Next spring the first award from the fund will be made to a junior in the College of Agriculture who is majoring in teacher training and plans to teach vocational agriculture. The recipient will be selected on the basis of scholarship, financial need, and evidence of promise as a teacher. Each scholarship will have a value of $200 to $250.
>
> All agriculture teachers in Illinois, except the very newest, will remember George Doak, who served the youth and agriculture of Illinois for over thirty years. Thanks to the generosity of his friends, young men will still be helped to serve agriculture in the years ahead. M.H.

Film Report -- So You're Thinking About College. Copies of this film report were mailed to Illinois teachers of vocational agriculture about September 15. One well-known vocational agriculture teacher in Illinois who used the material with a group of juniors and seniors wrote us that they had found the material extremely satisfactory for their use. The following information is taken from this film report:

> 10 1/2 minutes...57 slides...sound on tape
>
> Youth advisers and teachers will find in this slide series answers to many of the questions high school students have about entrance requirements for College of Agriculture at the University of Illinois, as well as how to apply for admission, scholarships, housing, campus activities, etc.
>
> This presentation is a down-to-earth story of a farm lad who realized that college was a necessary part of modern youth's preparation to live in this highly technical, fast-moving world. Bert Fringer tells his story in a convincing way that will make many fellows stop and THINK SERIOUSLY about preparation for college.
>
> This colored slide story is a companion piece to the brochure, "Careers in Agriculture Through the University of Illinois College of Agriculture." Copies have been sent to farm and home advisers and vocational agriculture instructors. Additional copies may be obtained free of charge from the office of the Associate Dean of the College of Agriculture, 104 Mumford Hall, Urbana.

Equipment needed to show this series: a 35 mm. slide projector and a tape recorder. A "click" on the tape signals the operator to change slides.

To obtain this colored slide series, send your request to Visual Aids Service, Division of University Extension, University of Illinois, Champaign, Illinois.

- Place your order at least three weeks in advance.
- Give showing dates for your first and second choices.
- Give name or type of group scheduled for the showing.
- Include your name, title, affiliation, and address.

Return the slide series promptly after the scheduled use. Only charge to the user is return postage.

Bulletins and Circulars. Our office has received copies of two new bulletins and one circular since the last issue of the AIDS. The bulletins are 632, A Cost Analysis of Fertilizer Bulk-Blending Plants in Illinois, and 634, A Review of the Carbohydrate Constituents of Roughages. The circular is 802, Vegetable Diseases. Copies of the circular were sent with the January Agricultural Releases. Because of the type of information and the technical information included in both of the bulletins, copies of these were not sent to Agricultural Release subscribers. We suggest that any teacher review single copies before ordering quantities. Copies of any of the publications can be obtained in the regular manner. M.H.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

HOW TO MAKE YOUR OWN BUILT-INS AND SPACE SAVERS. 1958. Bill Baker. $1.50. Grosset & Dunlap, Inc., 11-17 Broadway, New York 10, New York.

The following statement is taken from the book cover: "Save space and money by following these step-by-step photos and simple instructions for things you need around the house: low-cost luxury kitchen; hideaway bar; home theatre

unit with TV, Hi-Fi and radio; a sewing center; one-wall complete workshop; disappearing wallbed; laundry center; small-space powder room, and more. Also gives the techniques for lighting, paneling, hardware, finishes, plastics, laminates, mouldings. Each project is an original design, easy and inexpensive to build...and they're fun!" M.H.

POULTRY HUSBANDRY--Laboratory Exercises for Farm Poultry Production. Avery, Morrison, and Grosse, $2.75. Burgess Publishing Company, 426 South 6th St., Minneapolis 15, Minnesota.

The preface states: "The object of this manual is to offer a means by which students can obtain a permanent record of the various phases of the poultry industry as demonstrated and studied in the laboratory class. Such a record must be accurate, complete, and neat if it is to prove of most value."

This 8 1/2" x 11" spiral bound publication of approximately 90 pages includes lessons on Nomenclature and Breed Identification, Production Culling, Anatomy, Caponizing and Dubbing Operations and Poultry Diseases. M.H.

Extramural Courses -- Agricultural Economics. We are indebted to Dr. Halcrow, Head of the Department of Agricultural Economics, for the following information:

> "Professor W. N. Thompson and I plan to give a course in agricultural policy at DeKalb during the second semester of this year. We have arranged for the course, which will carry University of Illinois credit, to be offered at Northern Illinois University and to meet once a week on Wednesdays starting at 6:30 p.m., with possible adjournment about 9:15 p.m. The first meeting of the class will be on February 11. The course is described as follows:
>
> "Agricultural Economics 305. Agricultural Development and Policies. Agricultural development in the United States presented as a basis for analyzing the effectiveness of past agricultural policies, delineating agricultural problems and the need for developing sound agricultural policies in keeping with a sound national economy. ½ unit. Halcrow and Thompson.
>
> "We plan to analyze current-day agricultural problems and give attention to policies and programs of particular interest to extension workers and teachers.
>
> "If you have any questions about this course, please let me know." M.H.

EXTRAMURAL COURSES -- We are indebted to Dean Hannah for the following statement regarding extramural courses:

> "For the past eight or nine years we have offered a few extramural courses primarily for the benefit of those vocational agriculture teachers who express an interest and who have been able to organize themselves into a sufficiently large group. However, there has been a significant enrollment of farmers and men from other professional fields in agriculture. Our

Departments of Agronomy, Animal Science, Agricultural Economics, Agricultural Engineering, and Home Economics have all participated in this program. Other departments, I am certain, are willing if there is a sufficient demand for some offering they might make. Our policy has been to let interest arise in the state and then respond when a sufficient number justifies our putting on a course.

"We believe that extramural teaching is good, that those participating get a good deal out of it, and that it is a kind of activity in which our college should engage. We do not feel, however, that we should try to 'sell' such a program, but that we should stand ready to develop courses and make offerings when there is a demand. I would hope that the fact that we stand ready to do this kind of teaching can be brought to the attention of people in your organization who might wish to continue their academic work either for purposes of advanced degree or simply to enlarge their own understanding and usefulness. If you or any of the people in your organization would like to ask questions about our extramural program, we will be happy to answer them."

H.W.H.-M.H.

LIST OF SUBJECT MATTER UNITS AVAILABLE FROM VO-AG SERVICE AS OF JANUARY 1, 1959

UNITS	TITLE	Price ea. (prepaid) 1 - 4	Price ea. (f. o. b., Urbana) 5 or more
1001	Caring for the Sheep Flock During Breeding and Gestation	.16	.08
1002	Artificial Insemination	.16	.08
1003	Selecting and Purchasing Sheep	.16	.08
1004	Diseases of Sheep	.24	.12
1005	Internal Parasites of Sheep	.16	.08
1006	External Parasites of Sheep	.16	.08
1007	Capons and Caponizing	.16	.08
1008	Testing Milk for Butterfat	.16	.08
1009	Improving Animals Through Breeding	.32	.16
1010	Producing Beef Cattle from a Beef Breeding Herd	.16	.08
1011	The Ewe and Her Lamb	.16	.08
1012	Buying and Feeding Beef Cattle	.24	.12
1013	General Facts on Livestock Feeding	.16	.08
1014	Poultry Lice and Mites	.16	.08
2001	Farm Planning for Long-Time Profits	.16	.08
2002	Taking an Inventory of Farm Resourees	.32	.16
2003	Planning a Sound Land Use Program	.32	.16
2004	Principles of Field Arrangement	.24	.12
2005	Coordinating the Cropping System, Soil Conservation Practices, and Field Layout	.24	.12
2006	Selecting the Crops to Grow	.24	.12
2007	Estimating Crop Production	.16	.08
2008	Farm Record Keeping	.32	.16
2009	Using the Illinois Farm Record Book	.16	.08
2010	Planning the Soil Fertility Program	.24	.12
2011	Choosing a System of Farming	.16	.08
2012	Selecting the Livestock Enterprises	.16	.08
2013	Planning for Adequate Size Business	.16	.08
2014	Planning the Livestock System	.16	.08
2015	Completing the Soil Fertility Plans	.16	.08
3001	Using the Oxy-Acetylene Flame in Farm Construction and Repair	.48	.24
3002	Farm Metal Work	.48	.24
3003	Wiring the Farmstead for Electricity	.64	.32
3004	Arc Welding	.80	.40
3005	Sharpening Hand Tools	.32	.16

(Over)

(continued)

UNITS	TITLES	Price ea. (prepaid) 1 - 4	Price ea (f. o. b., Urb 5 or mo
3006	Selecting Lumber and other Building Materials	.24	.12
3007	Making and Using Concrete on the Farm	.32	.16
3008	Farm Tractor Tune-Up	.24	.12
4001	Collecting and Preparing Soil Samples for Testing	.08	.04
4002	Testing Soils for Acidity	.08	.04
4003	Testing Soils for Phosphorus	.08	.04
4004	Testing Soils for Potassium	.16	.08
4005	Nature of Soil Acidity and Major Plant Nutrients	.08	.04
4006	Using Limestone to Correct Soil Acidity	.08	.04
4007	Using Phosphorus Fertilizers	.08	.04
4008	Using Potassium Fertilizers	.08	.04
4009	Using Nitrogen Fertilizers	.16	.08
4010	Probable Responses from Use of Fertilizers	.16	.08
4011	Hunger Signs--A Guide to Soil Improvement	.36	.18
4012	Maintaining Organic Matter in the Soil	.16	.08
4013	Animal Manures on the Farm	.16	.08
4014	Improving Permanent Pastures	.16	.08
4015	Growing Red Clover	.24	.12
4016	Growing Ladino Clover	.16	.08
4017	Growing Sweet Clover	.24	.12
4018	Farmstead Windbreaks	.16	.08
4019	Seed Treatments	.08	.04
4020	Plants Poisonous to Livestock	.32	.16
4021	Grass Waterways	.16	.08
4022	Inoculation of Legumes	.08	.04
4023	Growing Oats	.16	.08
4024	Planting and Care of Farm Forests	.32	.16
4025	Controlling Diseases of Vegetable Crops	.24	.12
4026	Growing Barley	.16	.08
4027	Growing Winter Wheat	.32	.16
4028	Soil Structure	.16	.08

NOTE: We have a policy of requesting that payment (including postage where postage is charged) accompany orders totaling less than $5.00 unless the school or individual has an open account with this office.

VOCATIONAL AGRICULTURE SERVICE
434 MUMFORD HALL
URBANA, ILLINOIS

TO: Vocational Agriculture Service, 434 Mumford Hall, Urbana, Illinois.

Please send the following, as listed in the January AIDS.

SUBJECT-MATTER UNITS:

_____Unit 1010 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

_____Unit 1011 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

_____Unit 1012 -- 24 cents for 1 to 4, prepaid; 12 cents for 5 or more, f.o.b.

_____Unit 1013 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

_____Unit 1014 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

_____Unit 2013 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

_____Unit 2014 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

_____Unit 2015 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

_____Unit 4026 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

_____Unit 4027 -- 32 cents for 1 to 4, prepaid; 16 cents for 5 or more, f.o.b.

_____Unit 4028 -- 16 cents for 1 to 4, prepaid; 8 cents for 5 or more, f.o.b.

CONCRETE KITS AND INDIVIDUAL ITEMS: (Prices given are f.o.b. Urbana and may vary 10% up or down depending upon actual cost to us)

Concrete Kit, complete at $29.95....._____
(Includes 5 sets forms, breaking machine with scale, 5 mixing pans, 5 measuring cups, 5 small trowels)

Separate items (If complete kit is not desired)

Sets forms at $2.65 per set....._____

Breaking machine with scale at $11.00....._____

Mixing pans at $.70 each....._____

Measuring cups at $.29 each....._____

Small trowels at $.15 each....._____

COMPLETE "REPLANNING AGRICULTURAL EDUCATION IN ILLINOIS SCHOOLS":

Single copy $.60 each....._____

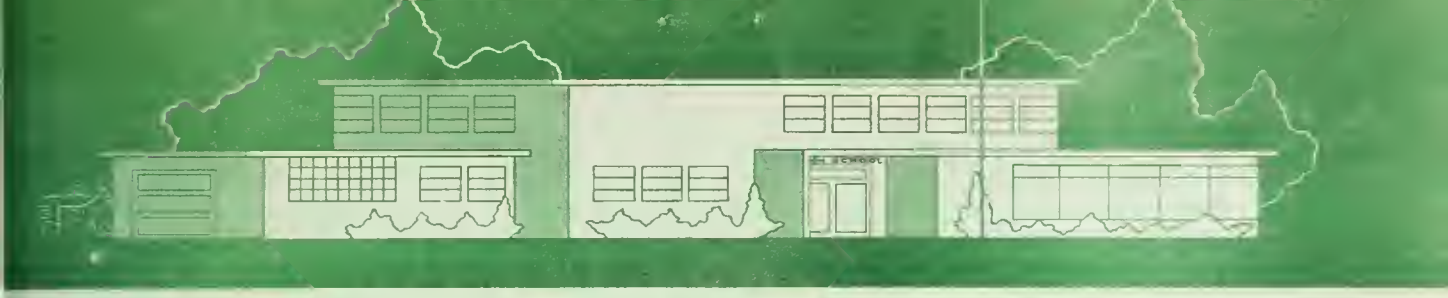
10 or more at $.48 per copy....._____

Copies of the 23-page abstract of the above report is priced as follows:

Single copies $.25 each....._____

10 or more copies at $.20 per copy....._____

_____ _____
Signature Address



AGRICULTURAL EDUCATION NEWS

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

Central Region Research Conference. Thirty-nine teacher trainers, 17 supervisors, and 3 teachers of vocational agriculture from 12 states attended the Central Region Research Conference at Allerton House December 2-4. Research projects recently completed and research under way in the several states were reported to the group.

Dr. Paul Sweany of Michigan State University gave a progress report of the National Young Farmer Study. Trial programs in young farmer education are being carried out in most of the states to evaluate proposed patterns of young farmer courses theoretically associated with successful programs. In Illinois Dr. L. J. Phipps is working as state project leader for the national study.

Another study reported at the conference was research conducted in Indiana by R. Bentley, F. Woerdehoff, and Miss Elizabeth Simpson entitled "Opinions of Indiana School Administrators Regarding Vocational Agriculture." They studied the opinions of 712 school administrators to discover their viewpoints on vocational education. Some of the findings that are related to vocational agriculture in particular are reported in the July 1958 issue of The Agricultural Education Magazine.

An experimental procedure for teaching research processes and techniques to teachers was described by Professor Fred Barnes, Director of the Illinois Curriculum Program. His "research clinics" are designed to enable Illinois teachers to learn about research by a "do-it-yourself" approach.

Use of research and the findings of research in replanning state programs of agricultural education was discussed by Professor H. M. Hamlin, University of Illinois, at a general session of the Conference on Agriculture of the Allerton House Conference on Education.

Another important research project under way in Illinois and reported at the conference by Dr. H. C. Hand of the College of Education, University of Illinois, is the "Audit of High School Programs in Illinois." This is a comprehensive study of the educational experiences of graduates from 46 Illinois high schools, and the findings should make the public more aware of the types of education being afforded all segments of the school population.

"Research Bearing on the Opportunities and Methods for Establishment in Farming" was described to the group by Professor Franklin Reiss of the Agricultural Economics Department, University of Illinois. Professor Reiss is heading up a

regional research project that has uncovered valuable information about beginning farmers and how they are becoming established.

The problem of how best to finance vocational education was an important one at the conference. Use of research to help solve this problem was illustrated by Dr. William McLure of the University of Illinois as he told of plans being developed in Illinois for a study of financing vocational education in the state.

In addition to hearing reports of recent research and research now under way in this region, participants at the conference worked in committees to identify significant problems that need to be studied.

Dr. George Deyoe of Illinois served as conference chairman. P.E.H.

Plans for Four-Week Summer Session, 1959. The four-week summer session for 1959 at the University of Illinois is in the planning stage. As in the past, several courses in agriculture will be provided. A special letter will be sent soon to each teacher of vocational agriculture so that persons who plan to attend may indicate their preferences for courses in agriculture. This cooperation from teachers is needed in planning the courses to be offered. In addition to courses in agriculture, two of the four required courses in education, all of the graduate courses in agricultural education offered on campus (six), and two special workshops will be available. One of these workshops is in general and non-vocational agriculture, and the other is in family finance. (Special permission of the instructor is needed for enrollment in the latter workshop.)

In the 1958 summer session, 110 teachers of vocational agriculture and others in agricultural education were enrolled. The 1959 summer session starts June 16 and ends July 11. A special brochure will be prepared and sent to teachers in the early spring of 1959. G.P.D.

Graduate Courses Offered Second Semester. Two graduate courses of special interest to some teachers of vocational agriculture are among the offerings on campus for the second semester which starts February 5, 1959. These are as follows:

Education 474: Supervised Farming in Vocational Agriculture, Tuesday evenings, 7:00 to 9:00, starting February 10, in Room 111 Gregory Hall. Taught by George P. Deyoe.

Education 448: Adult Education, Monday evenings, 7:00 to 9:00, starting February 9 in Room 307 Gregory Hall. Taught by H. M. Hamlin.

Teachers wishing to enroll in either of these courses, if unable to be on the campus at the time designated on the registration schedule, may register Saturday forenoon, January 31, 1959, or on any week-day before the first meeting of the class. G.P.D.

Placement Situation. This report covers the period from November 10 to December 10.

Two schools are listed as having vacancies. The duties for one position begin February 1, 1959; the duties for the other position begin July 1, 1959.

Three inexperienced teachers and seven experienced teachers are listed as being available for placement.

Some of you will be considering changes in positions at the end of this year. If you do plan to change, now is the time to get your credentials up to date so that your interests can best be served. You can get the forms for reactivating your file and for getting your credentials up to date by writing either to the Division of Agricultural Education or to Professor Dale Baughman, Office of Teacher Placement, 200 Gregory Hall, University of Illinois, Urbana. A.H.K.

Section 22 Teachers and Administrators Discuss Allerton House Report. At the annual meeting of teachers and administrators in Section 22, the Allerton House Report on replanning agricultural education in Illinois was discussed. The discussion was initiated by a panel composed of an administrator, a farmer, a school board member, and a member of the staff in Agricultural Education of the University of Illinois. The administrators and teachers were interested in discussing the following point of view in the Allerton House Report: "The general population is increasing rapidly. Never were so many dependent upon so few farmers. Never was it so important that farmers be well prepared for their work. We have abundant agricultural production for which agricultural education is partly responsible."

Much interest in the function, place, importance, and possibilities of general and non-vocational agriculture was also apparent in the comments and questions of the administrators attending the meetings. L.J.P.

Complete Allerton Report Available. The full report of the Study Group on Agriculture of the Allerton House Conference on Education is now available from Vocational Agriculture Service, College of Agriculture, or the Office of Field Services, College of Education. It includes 52 pages and sells at 60 cents a single copy or 48 cents a copy when 10 or more copies are ordered. It is considered to be much more useful than the shorter report, which was mailed to all Illinois teachers of vocational agriculture, in working with boards, administrators, school staffs, and advisory committees in replanning local programs of agricultural education. H.M.H.

Replanning of Local Programs Gaining Momentum. It is significant that, of the 160 teachers of vocational agriculture who first reported their choice of one-day summer short courses to Mr. Damisch, 37, or almost a fourth, chose the course in replanning local programs of agricultural education. H.M.H.

General and Non-Vocational Education in Agriculture in Neighboring States. About 100 Michigan high schools now offer courses in general or non-vocational agriculture. Similar courses are offered in 40 to 50 Wisconsin high schools. In both states the teacher education departments are conducting studies of these courses. In Michigan all offerings in agriculture in entire school systems are being studied, including those provided in non-agricultural courses. H.M.H.

Conant Publication Available. The Illinois Citizens Education Committee, whose office is the Office of the Division of Agricultural Education, 103 Gregory Hall, Urbana, has received 13,000 copies of a special Illinois edition of a publication giving the views of Dr. James B. Conant under the title, "Dr. Conant Looks at American High Schools." The publication abstracts the talk Dr. Conant made at Springfield on May 14 under the auspices of the Illinois Citizens Education Committee, the Chicago Citizens Schools Committee, and the Illinois Association of School

Boards. Copies are available in quantity to organizations that will make good use of them.

Dr. Conant has done as much as anyone in recent years to show that vocational education has an important place in the secondary school curriculum. Unfortunately, the schools he has studied have been relatively large schools, none of which teach vocational agriculture, but he sees the need for vocational agriculture in the communities where it is appropriate. H.M.H.

Graduate Student From Ethiopia. One of this year's capable graduate students in agricultural education is Makonnen Kebret, who was graduated in the first class in Ethiopia's new college of agriculture. He will return to Ethiopia as a member of the ministry of education to develop a program of agricultural education for a nation of 15 million people. His work during 22 months at the University of Illinois is being shaped to help him develop a master plan for agricultural education in his country, or at least a plan for making a master plan.

H.M.H.

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December 22, 1958

PRICE LIST OF FEEDS[1/]

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 ton in dollars
Corn, bu.	$ 1.07
Corn, ground, bu.	1.14
Oats, bu.	.61
Oats, ground, bu.	.68
Barley (feed), bu.	1.05
Barley, ground, bu.	1.12
Sorghum grain, cwt.	1.75
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	1.96
Whole milk, cwt.	3.95
Corn silage, ton & Sorghum silage	8.00-10.00
Grass silage, ton	
No preservative added	6.00- 8.00
Preserved with 70-100 lb. molasses.	7.00- 9.00
Preserved with 150-200 lb. ground corn.	11.00-13.00
Clover and mixed hay (Add $5 per ton for baled hay and straw.)	20.00
Cowpea hay (Add $5 per ton for baled hay and straw.)	17.00
Soybean hay (Add $5 per ton for baled hay and straw.)	18.00
Alfalfa hay (Add $5 per ton for baled hay and straw.)	21.00
Timothy hay (Add $5 per ton for baled hay and straw.)	19.00
Corn stover, ton.	12.00
Oat straw, ton.	13.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6 cents/head/day
Calves and colts, 12 to 24 months old, 7 cents/head/day
Cattle, 24 months and older, 13 cents/head/day
Pigs, 50 to 100 pounds, 1/4 cent/head/day
Pigs, 100 to 150 pounds, 1/2 cent/head/day
Lambs up to weaning, 1 cent/head/day
Sheep or lambs after weaning, 2 1/2 cents/head/day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, January, 1959

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

Volume 17, Number 7

February 1959

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and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

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IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

The final A.V.A. membership report for the year 1958 shows a drop of 227 members in the agriculture division. Membership from agriculture in Illinois, however, has increased by 24 over 1957. The 533 members in Illinois far surpass the number in any other state in the North Central Region.

Only six states increased their A.V.A. membership in 1958. Including all service fields, membership decreased by 900 in the past year.

With all the attacks being made on vocational education, it is extremely important that everyone engaged in this phase of education become stronger than ever.

The Joint Federal-State Action Committee has again proposed that all vocational education acts be repealed and that all federal funds for vocational education be eliminated.

Dr. M. D. Mobley, Executive Secretary of the A.V.A., reports that definite plans are being made to have a bill offered in the 86th Congress to repeal vocational education acts.

All of our agriculture teachers here in Illinois are to be congratulated for their membership in our professional organization.

N.V.A.T.A. News

The Executive Committee, consisting of President Luther Hardin, Executive Secretary Jim Wall, Treasurer Paul Mechling, and each regional vice-president, met in Chicago November 27-29.

Our Regional Vice-President, George W. Buchanan, reports that the N.V.A.T.A. is very active and continues to grow in service provided to teachers.

Herbert R. Damisch, our State Supervisor of Agricultural Education, attended the Friday morning session. Mr. Buchanan reports that Mr. Damisch has some excellent ideas for an interesting convention next December.

Region IV salutes Dr. H. M. Hamlin. He has been selected by the Executive Committee to receive honorary membership in the N.V.A.T.A. at the annual breakfast meeting in Chicago during the convention.

Thanks to the Nebraska and Utah associations, a sponsor has finally been secured for the diary for members. The D-Con Company informed the Executive

Committee that they will sponsor a split-year diary for N.V.A.T.A. members beginning July 1, 1959, and ending June 30, 1960.

The Executive Committee has selected Bob Howey of Sycamore as our new treasurer to replace Paul Mechling, who resigned effective January 1. The committee felt fortunate to secure Bob's services. Congratulations, Bob, all of us are glad to have you back in a national office serving our members as you have done so exceptionally well in the past.

Many of us would like to know more about the purposes and objectives of National Farm-City Week. Our representative, Bob Howey, made the following statement in his report at the recent Executive Committee meeting:

"Farm-City Week is not for agriculture alone, but has the purpose of bringing about a better understanding between all groups. As we become more and more urbanized, this becomes more and more of a problem as we attempt to perpetuate our American Way of Life.

"The Farm-City Committee at the national level will not dictate what local communities can or should do. The purpose of the national committee is to give direction to the movement and to provide high-level publicity. If there is no local committee planning the observance, the teacher of vocational agriculture might very well promote the organization of such a committee."

Convention Program

Friday, March 20, 1959

9:30-11:45 a.m.

First General Session

Chairman:	Harold Drake	High School, Waterloo
Host:	E. L. Rice	High School, Princeville
Recorder:	Arthur Phillips	High School, Eureka

Report from Division of Agricultural Education, University of Illinois College of Education, Dr. H. M. Hamilin, Chairman.
Report from Vocational Agriculture Service, University of Illinois College of Agriculture, Melvin Henderson, Head of the Department, Chairman.
Report from the State Supervisory Staff, Springfield, H. R. Damisch, Chief, Agricultural Education, Chairman.

"New Industrial Uses for Farm Crops"--Mr. Kenneth Majors, Extension Grain Utilization Specialist, Northern Utilization Research and Development Division, Peoria, Illinois.
"Polyethylene Film for Agricultural Service," Robert J. Barbour, Director of Marketing, Gering Products, Inc., Kenilworth, New Jersey.

1:30-2:45 p.m.

Second General Session

Chairman: Harold Drake
Host: E. L. Rice
Recorder: Arthur Phillips

"Systemics--Their Use on Plants and Animals." Mr. C. D. Deggendorf, Sales Representative, Chemagro Corporation, New York, New York.
"The Use of Antiprotozoal Compounds." Dr. F. D. Knippling, Regional Technical Specialist, Merck and Co., Inc., Chemical Division, Rahway, New Jersey.

Farm Bureau Supports Vocational Education

At the recent National Farm Bureau Convention, strong resolutions were adopted in support of vocational education:

"The Farm Bureau supports adequate appropriations for vocational education under the Smith-Hughes and George Barden Acts. The Farm Bureau will oppose returning full responsibility for financing vocational education to the states."

Other resolutions of importance were:

1. Expansion of vocational training should be the responsibility of state and local groups.
2. All federal grants-in-aid should have minimum controls.
3. Area vocational training schools should be developed, where needed, through use of state and local funds.

Sectional News

Section 4. On December 13, an all-day meeting on beef cattle was held for the agriculture teachers.

Professor A. L. Neuman, head of the Beef Cattle Division, University of Illinois, conducted the meeting. In the forenoon an informal discussion session included problems in feeding, management, and marketing. In the afternoon a field trip was taken to a farm in the community to observe a modern push-button cattle-feeding operation.

Eldon Auperle, instructor at the Warren School, was host for the meeting.

We really need news!!!!!

Send to:

Ray Dunn, 840 South Farnham
Galesburg, Illinois

VO-AG SERVICE

Announcements & Notes

Farm People and Social Security. Professor George Whitman has obtained a supply of pamphlets for us bearing this title. This publication was prepared by the Social Security Administration and is "directed primarily to those who assist farm people in understanding their rights and complying with their obligations under the social security law." A copy is included with the February Agricultural Releases.
J.H.H.

Farmers' Tax Guide. This publication is being included with the February Agricultural Releases. We understand that farm advisers and Internal Revenue offices have copies for distribution to farmers. J.H.H.

Illinois Research. Probably by this time vocational agriculture teachers in Illinois have received a copy of Volume 1, Number 1, of ILLINOIS RESEARCH. This publication is to be issued each quarter, and this volume is the first in the series. Teachers wishing future copies should send their requests to the Agricultural Information Office, 110 Mumford Hall, University of Illinois, Urbana. M.H.

Illinois Swine Growers' Day--March 5. We are indebted to Professor S. W. Terrill for the following program for Swine Day, to be held March 5, 1959.

8:00-10:00 Tours at Swine Nutrition Farm, located at south end of First Street, Champaign.

Morning Session (University Auditorium)
S. W. Terrill, Chairman

10:30 Comparison of Complete Rations, Free-Choice Feeding and Mixtures of Corn and Supplement for Growing-Finishing Swine.....G. R. Carlisle

Pelleting Cereal Grain Rations for Growing-Finishing Swine..A. H. Jensen

Feeding and Management of Baby Pigs.....J. P. Baker

Feeder Space Needs for the 100-Pound Pig
Response of Growing-Finishing Swine to Antibiotics.....D. E. Becker

LUNCH

12:00-1:15 Barbecued Pork Chop Luncheon in Stock Pavilion
Block and Bridle Club

Afternoon Session (University Auditorium)
O. B. Ross, Chairman

1:15 Welcome.....L. B. Howard
Dean, College of Agriculture

1:25 Are You Going to Make Money on Hogs?.....L. H. Simerl
Agricultural Economics Department

1:50 Planning Your Swine-Finishing Building.....D. G. Jedele
Agricultural Engineering Department

2:20 Mechanizing Your Swine-Finishing Building.....F. W. Andrew
Agricultural Engineering Department

2:50 Adjourn

Swine equipment and exhibits on display at Stock Pavilion
Bring your questions concerning farrowing barn plans to the Agricultural Engineering "Question Table" in the Stock Pavilion. S.W.T.-W.H.W.

Tape Recording on Christmas Tree Production. W. F. Bulkley of the Forestry Department has helped us prepare a tape recording to accompany the slifefilm, "Christmas Tree Production." Although it is not essential to use the 30-minute tape with the slidefilm, it was prepared to provide additional comments that may be of interest. Mr. Bulkley comments on each frame of the slidefilm. The tape is available from Vocational Agriculture Service at the regular cost of $3.50, f.o.b. Urbana. E.L.K.

Tape Recording on Minimum Tillage. Dr. Jack Baird of the Agronomy Department and Wendell Bowers of the Agricultural Engineering Department have worked with us in preparing a tape recording on "Minimum Tillage." It answers such questions as the following: Can minimum tillage be used equally well on all types of soil? Can minimum tillage be used on fall-plowed ground? Is the seedbed firm enough to get good germination when minimum tillage is used? If I plow-plant with a one-row or two-row planter, can I cultivate with a four-row cultivator? Will minimum tillage help to control weeds or make them worse? What kinds of equipment are needed for minimum tillage?

The tape is available from Vocational Agriculture Service at the regular cost of $3.50, f.o.b. Urbana. E.L.K.

Coming Events. Vocational agriculture teachers may be particularly interested in the following dates of coming events taken from the folder prepared by the College of Agriculture and mailed sometime ago to all vocational agriculture teachers in Illinois.

February 28	Junior Calf Sale
March 5	Swine Day
March 10	Farm Machinery Day
March 19-21	Illinois Vocational Association Convention (Peoria)
April 2-4	Farm and Home Festival
April 4	Agriculture Student Guest Day
May 16	State F.F.A. Awards Day Program
June 9-11	Illinois Vocational Agriculture Teachers Summer Conference
June 16-18	State F.F.A. Convention (Springfield)
June 23	State F.F.A. Judging Contests
June 24	Annual Agronomy Day for Farmers
September 4	Cattle Feeders' Day
October 12-15	National F.F.A. Convention (Kansas City)
October 30	Sheep Day

M.H.

Dairy Calf Sale. Again we are indebted to J. G. Cash for calling our attention to the Dairy Calf Sale to be held Saturday, February 28, in the Stock Pavilion, Urbana. As before, purchases will be limited to F.F.A. and 4-H members. We understand that about 90 calves of the following breeds will be offered: Ayrshire, Brown Swiss, Guernsey, Holstein, and Jersey.

The sale will start promptly at 11:00 a.m. Catalogs have been or will be mailed to vocational agriculture teachers as soon as available. If you need additional copies or other information, write to Professor J. G. Cash, 336 Animal Sciences Laboratory, Urbana. M.H.

Sheep Shearing Schools. G. R. Carlisle reports that four sheep shearing schools are planned for Illinois again this year. The dates and locations are:

March 24-25.....Dixon Springs Experiment Station
March 26-27.....Dixon Springs Experiment Station
March 30-31.....LaSalle County
April 6-7.....Urbana

Applications should be sent to the county farm adviser. Enrollment fees are $2.50 per person, $2.00 of which will be returned to the enrollee when and if he shows up for the school. The enrollment fee must be submitted with the application before a person may be enrolled in a school.

Only boys who are big and strong enough to handle sheep should be sent to these schools. Boys who come should realize that shearing is work and not just a way of getting out of school.

Enrollments will be taken on a first come, first served basis, and not more than two boys per school will be accepted unless there are not enough enrollments to fill the schools. If you have more than two boys, list their names in order of preference and an alternate list will be compiled.

Enrollments should be in the hands of the livestock specialists at the College of Agriculture not later than 10 days before the first school.

Checks covering enrollment fees should be made payable to G. R. Carlisle rather than to the University of Illinois. G.R.C.-W.H.W.

Listing of Vocational Agriculture Service Items for 1959-60 School Budgets. Following the suggestions made at several of the sectional meetings with representatives from Vocational Agriculture Service, we will list the items available from Vocational Agriculture Service for the benefit of teachers who need that information for making up their budgets before the end of the current school year. Since some teachers must turn in their 1959-60 budgets early in March, we will attempt to have the list reach teachers by the first of March. There is still a question whether it will be part of the March issue of our AIDS, which will need to be mailed early, or whether it will be a special release. In either case we will attempt to have it out by March 1. M.H.

Briggs and Stratton Corporation Material. Those interested in teaching a unit on small engine repair and maintenance may be interested in the following information taken from a letter received in our office on December 29:

> "In answer to your letter of December 22, we are happy to explain our policy in regard to material to be furnished to schools for educational purposes.
>
> "To each high school, junior or regular, or vocational school that has a regular course in small engine repair or maintenance we will supply at no charge one engine or our choice, one set of Turn-over Charts and copies of our General Theories of Operation and Repair Instructions in reasonable quantities. If extra engines are desired, they can be obtained at 50 percent off the current list price. Copies of our General Theories and our Repair Instructions as well as an Engine Price List are enclosed. The Turn-over Charts are 17" x 24" wall charts that reproduce the drawings in the General Theories book.
>
> "By regular course we mean that the class repeats each semester. The gift of this material is to the school and not to an individual instructor. We would like also to reserve the right for our field representatives to visit the schools at their convenience or discretion to see that the material is properly used.
>
> "We are sorry that we have to limit the free engines to one per school. At one time we gave more but the number of schools putting in classes on small gasoline engines has risen to the point that we had to limit them to one. However, they may be able to pick up scrap engines from local Briggs and Stratton dealers."

Interested teachers should contact Mr. J. M. Gerathy, Service Engineer, Briggs and Stratton Corporation, 2711 North 13th Street, Milwaukee 1, Wisconsin. Incidentally, our office has copies of General Theories of Operation, Repair Instructions, and price list, which are available for review by teachers who wish to stop in to see them. M.H.

Farm and Home Festival. The College of Agriculture is planning the 1959 FARM AND HOME FESTIVAL for April 2, 3, and 4. As in 1958, we will try to see that vocational agriculture teachers receive all promotional materials sent to any other organized group, and we hope to have some posters designed specifically for vocational agriculture students. R.F.E.

College of Agriculture Student Guest Day. The College of Agriculture Student Guest Day is to be Saturday, April 4. GUEST DAY is designed for prospective students, their parents, and teachers. The morning program will provide information on admission, housing, costs, and career opportunities. The afternoon will be available for visiting FESTIVAL exhibits.

Your high school principal will receive a notice of these events and an invitation to attend the FESTIVAL. All further information for the school will be sent to the vocational agriculture instructor. Guidance workers and others may look to you for further information. We hope that you will desseminate the information about the FESTIVAL and GUEST DAY.

Home economics teachers will receive information about HOME ECONOMICS HOSPITALITY DAY, which will also be held on April 4. R.F.E.

Rules for the 1959 State Judging Contest. The rules for the 1959 State Judging Contest have already been multilithed and will be assembled as soon as possible. If time permits, they may be mailed before February copies of the AIDS; if not, they will be mailed no later than the end of the first week in February. If any vocational agriculture teacher in Illinois fails to receive a copy within a reasonable time after February 7, we suggest that he contact our office. M.H.

Agricultural Releases. The February Agricultural Releases were mailed to Agricultural Release subscribers on January 30. They include 52 items, excluding the index pages. If any Agricultural Release subscriber fails to receive his February Releases within a reasonable time after the indicated date, we suggest that he contact this office. M.H.

Cumulative Record Book for Farm Mechanics. The Springfield office sent vocational agriculture teachers in Illinois a copy of the Cumulative Record Book for Farm Mechanics along with a letter relating thereto. As indicated on the inside cover, additional copies may be purchased from Vocational Agriculture Service at 5 cents a copy, f.o.b. Urbana. The minimum order is 5 copies per order. This item is included on the tear sheet that accompanies this issue of the AIDS.

The low price of 5 cents per copy is possible only because the Illinois FFA Foundation paid the original cost in connection with the first 1,000 copies. M.H.

Safe Practices in the Vo-Ag Shop. A 9-page multilith entitled "Safe Practices in the Vo-Ag Shop" was included with the February Agricultural Releases. This gives the general rules for shop safety as well as safety instructions for various machines, such as the circular saw, jointer, hand saw, sander, drill, grinder, etc. Teachers who are not Agricultural Release subscribers but desire to obtain copies can obtain a single copy upon request, but should include ten cents in stamps with their request. Since this is a more or less experimental venture, only single copies are available at this time. M.H.

Adult and Young Farmer Classes Approved as of January 16, 1959, for the School Year 1958-59. Mr. Damisch has requested that the following information be included in this issue of the AIDS:

(X indicates Adult Farmer class)

(* indicates Young Farmer class)

Section 1	Section 2	Section 3
XGalena	XAshton*	XAtkinson
XMount Morris	XMilledgeville	XBuda*
XOrangeville	XMorrison	XCambridge
XOregon	XMorrison	XGalva
XPearl City	XPort Byron	XGeneseo
XPolo	XPort Byron	XGeneseo
XPolo	XProphetstown	XGeneseo
XRockton	XThomson	XKewanee (C.U.)
XRockton	XThomson	XKewanee (C.U.)
XStillman Valley		XKewanee (C.U.)

Section 3 (continued)
XLa Moille
XMalden
XSpring Valley
XTaylor Ridge*
Taylor Ridge
Taylor Ridge
Walnut
Woodhull
Woodhull

Section 4
XAbingdon
XAledo
XAlexis
XAlexis
XGalesburg
XJoy
XKirkwood
XLittle York
XMedia
XOneida
XWilliamsfield*

Section 5
XBradford
XDunlap
XDunlap
XGranville
XHennepin
XHenry
XHenry
XMinonk
XMinonk
XMinonk
XMinonk
XMinonk
XMinonk
XMinonk
XMinonk
XPeoria (Limestone)
XPeoria (Limestone)
XSparland
XToulon
XVarna
XWashburn

Section 6
XBelvidere
XBelvidere
XHarvard
XHarvard
XHuntley
XHuntley
XHuntley
XMarengo
XMarengo
XMarengo
XPoplar Grove*
XPoplar Grove
XRichmond
XRichmond
XRichmond
XWoodstock

Section 7
XCarpentersville*
XDeKalb
XGenoa
XGenoa
XMalta
XMalta
XNaperville
XNaperville
XNaperville
XNaperville
XRochelle
XRochelle
XRochelle
XRochelle
XSt. Charles
XSomonauk

Section 8
XEarlville*
XLostant
XLostant
XLostant
XMarseilles
XMarseilles
XMendota
XMendota
XMinooka
XNewark
XNewark

Section 9
XBellflower
XBellflower
XBellflower
XChatsworth*
XChatsworth
XColfax
XDwight
XEl Paso
XFlanagan
XFlanagan
XForrest
XGridley
XGridley
XLexington
XLexington
XMcLean
XMcLean
XNormal
XStanford
XStreator (Woodland)

Section 10
XBraidwood
XBuckley
XBuckley
XChicago Heights
XCissna Park
XCissna Park
XCissna Park
XClifton
XClifton
XCrete
XCrete
XHerscher
XHerscher
XKempton
XManteno
XMilford
XMilford
XMomence*
XNew Lenox
XOnarga
XPeotone
XPeotone
XPeotone
XReddick
XSheldon*
XStockland*
XWellington*

Section 11
XAugusta
XCarthage
XColusa
XColusa
XColusa
XGood Hope
XGood Hope
XHamilton
XHamilton
XIndustry
XMacomb*
XMacomb
XMacomb
XPlymouth
XPlymouth
XWarsaw

Section 12
XAvon
XCuba*
XDelavan
XDelavan
XFairview
XFairview
XFarmington
XHavana
XHopedale
XLewistown
XLewistown
XMackinaw
XMackinaw
XManito*
XMinier
XMorton
XMorton
XTable Grove
XWashington
XWashington

Section 13
XBeardstown
XCamp Point
XChandlerville
XChandlerville
XGriggsville*
XLiberty
XMount Sterling
XPittsfield
XPleasant Hill
XPleasant Hill
XQuincy*

Section 14
XAshland
XAthens
XAtlanta
XChatham
XElkhart
XElkhart
XHartsburg
XHartsburg
XIlliopolis
XMiddletown
XNew Berlin*
XNew Holland
XPetersburg
XRochester
XWilliamsville

Section 15
XCarollton
XFranklin
XGillespie
XGillespie
XHardin
XMeredosia
XPiasa
XPiasa
XRoodhouse

Section 16
XAtwood
XAtwood
XAtwood
XBement
XBement
XFarmer City
XMansfield

Section 17
XChampaign*
XChampaign
XFisher
XGibson City
XGibson City
XHomer
Mahomet*
XMelvin*
XNewman
XOgden
XOgden
XPaxton*
XRantoul*
XSt. Joseph
XTolono
XTolono
XTolono
XTuscola
XTuscola*
XVilla Grove

Section 18
XArmstrong
XArmstrong
XArmstrong
XArmstrong
XArmstrong
XArmstrong
XBrocton
XGeorgetown
XHenning
XHoopeston
XHoopeston
XMetcalf
XRidge Farm
XScottland
XSidell
XSidell
XSidell

Section 19
XAssumption
XFarmersville
XFindlay
XFindlay
XHillsboro
XHillsboro
XLovington
XPana*
XRaymond
XRaymond
XShelbyville
XStewardson
XStewardson
XStonington
XSullivan
XSullivan
XSullivan

Section 20
XCharleston*
XKansas
XMarshall
XMartinsville
XMartinsville
XMartinsville
XMattoon*
XMattoon
XMattoon
XMattoon
XNeoga*
XNewton
XNewton
XNewton
XNewton
XOblong*
XWestfield
XWestfield

Section 21
XAltamont*
XAltamont
XBrownstown
XCentralia
XDieterich
XDieterich
Patoka*
XRamsey*
XSt. Elmo*
XTeutopolis
XTeutopolis
XWoodlawn
XWoodlawn

Section 22
XAviston*
XAviston*

Section 22
XAviston*
XHighland
XMarissa
XNashville*
XNashville*
XRed Bud
XSteeleville
XTroy
XWaterloo*
Waterloo*

Section 23
XAllendale
XBridgeport
XClay City
XClay City
XFairfield
XFairfield
XFlora
XFlora
XMount Carmel
XMount Carmel
XSt. Francisville
XSt. Francisville
Lawrenceville*

Section 24
XCarbondale (Com)
XChristopher
XMurphysboro
XUllin
XUllin
XWest Frankfort*
XWest Frankfort

Section 25
XCarmi
XEldorado*
XEldorado
XEldorado
XEldorado
XEldorado
XEnfield
XMetropolis
XMetropolis
XMetropolis
XNorris City
XNorris City
XNorris City
XNorris City

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

Please send the following, as listed in the February AIDS:

_____Cumulative Record Book for Farm Mechanics at 5¢ per copy, f.o.b. Urbana

_____Tape Recording--Christmas Tree Production at $3.50, f.o.b. Urbana

_____Tape Recording--Minimum Tillage at $3.50, f.o.b. Urbana

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

Botany Principles and Problems. 1957. Sinnott and Wilson. $6.95. McGraw-Hill Book Company, Inc., 330 W. 42nd Street, New York 36, New York.

According to the preface, "This is the fifth edition of the present text. In the thirty-two years since it first appeared, the science of botany has shown substantial progress, and attempts have been made to mirror this in the successive editions. How much of the new information about plants acquired from year to year should be included in an elementary text is always a problem. Some is too technical and some not yet well enough established to be generally accepted.

"In the present edition the authors have tried to incorporate the most important knowledge gained in recent years. This has resulted, among other things, in a complete rewriting of the chapter on metabolism. Included here is a much more detailed discussion of photosynthesis and of respiration than in the previous edition. How to do this without assuming more knowledge of organic chemistry than the beginning student is likely to possess is a problem, but it is hoped that the present discussion will give him a fair idea of the complexities of these processes without obscuring them in technical detail." M.H.

Fundamentals of Horticulture, Second Edition. 1957. J. B. Edmond, A. M. Musser, F. S. Andrews. $7.50. McGraw-Hill Book Company, Inc., 330 W. 42nd Street, New York 36, New York.

According to the jacket, "This text amplifies the fundamentals of plant growth taught in general botany, develops the reader's ability to apply these fundamentals to the solution of practical horticultural problems, and increases his appreciation of the significance of horticulture in human affairs.

"In addition, the authors seek to present a well-balanced view of the entire field of horticulture and to show the influence of environment and practices on the growth, development, and yield of horticultural crops. The book considers some of the fundamentals of plant chemistry, soils, and other sciences in relation to horticulture and includes a sufficient amount of physiology to give the student a background for understanding horticultural practices.

"The text is divided into three parts: a study of the fundamental processes; the application of the fundamental processes to horticultural practices; and a discussion of the principal horticultural crops." M.H.

Forestry and Its Career Opportunities. 1952. Hardy L. Shirley. $6.75. McGraw-Hill Book Company, Inc., 330 W. 42nd Street, New York 36, New York.

The preface states, "The purpose of this book is to present a broad picture of forestry in relation to its historic development and its place in national and world economy. Technical forestry is treated lightly, as good books covering the several phases individually are available. This book is written to help beginning students to understand the many facets of forestry and to give them background for deciding if forestry is to be their life career. It should also prove helpful to vocational-guidance counselors and the general reader interested in the scope and magnitude of forestry.

"The book has been developed from lecture notes and other materials used in a course in general forestry for freshmen at the State University of New York, College of Forestry.

"The concept of forestry as developed through the programs of instruction offered at Syracuse is broad. It embraces the management of forest lands and the use of their products and services by mankind. No apology is made for such broad treatment in this book. Rather, the effort is made to explore the several special fields of forestry and their interrelationship." M.H.

The Management of Farm Woodlands, Second Edition. 1950. Cedric H. Guise. $6.50. McGraw-Hill Book Company, Inc., 330 W. 42nd Street, New York 36, New York.

The preface to the second edition states, "Since the first edition of The Management of Farm Woodlands appeared, there have been a number of important developments in the techniques of forestry, directly applicable to the smaller areas of woodlands. The growing use of mechanical equipment is particularly important. Power saws and tree-planting machines give promise of replacing in many instances slow and costly hand labor. Improved methods of timber estimating have been developed. New techniques of wood preservation are in common use. Cost and values have changed appreciably in the past decade.

"Much of the material in the first edition is basic in principle and not subject to change. However, on the basis of experience gained in using this book as a text, a number of alterations, in addition to the incorporation of new material, have been made. Almost all the statistical material appearing in the first edition has been omitted. Parts of the original text which have become obsolete or found to be unsuited to class use have likewise been eliminated. New techniques have been incorporated, and all material has been brought to date. The effort has been made to simplify the material in the second edition and bring all techniques in line with current practices.

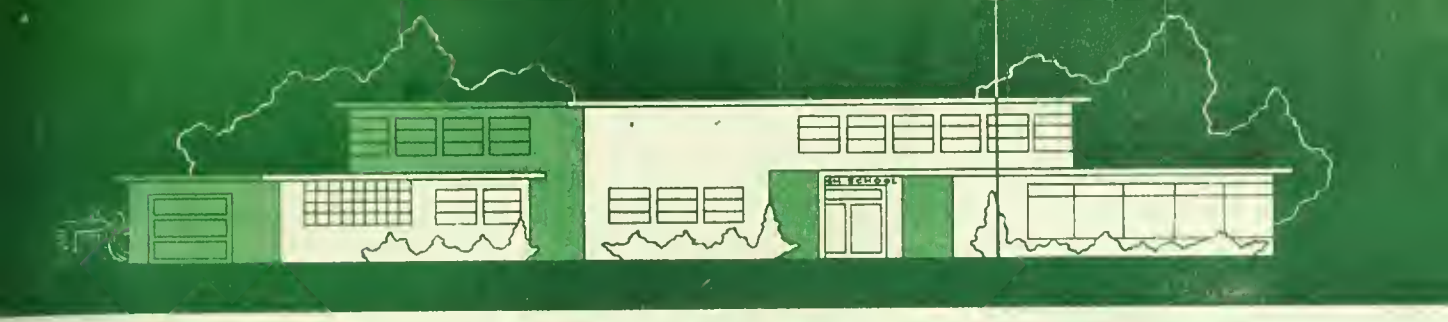
"Progress in farm forestry has been slow. Only one-fourth of the country's farm-woodland areas are accorded types of cutting practice that make provisions for successive crops of trees. A very low percentage of farm woods are managed on a sustained-yield basis. The future should see more and better forestry applied to farm woodlands. Good timber is relatively scarce. The appreciation of the services that well-managed farm woods provide is steadily increasing." M.H.

Plant Breeding and Cytogenetics. 1958. Fred C. Elliott. $8.50. McGraw-Hill Book Company, Inc., 330 W. 42nd Street, New York 36, New York.

According to the preface, "The material in this book deals primarily with the fundamental principles and an evaluation of the newer methods in the general field of plant breeding. In discussing the newer methods, a wide range of plant examples is used to facilitate an understanding of how and under what conditions such methods have been and may be useful to plant breeders.

"The book starts with an analysis of the botanical and biological nature of crop plants and follows with a discussion of the significant features of reproduction and the manipulation of variability. The methods of breeding, testing, and the maintenance of new varieties are discussed in the latter part of the book. A philosophical approach is applied especially where controversy still exists.

"Throughout, the author emphasizes the biological principles underlying plant breeding. Among the special topics included are: the possibilities of mutation breeding, polyploidy breeding, chromosome substitution and aneuploid analyses in plant breeding, and the significance of recombination. Comprehensive literature citations are included at the end of each chapter; both plant breeders and advanced students in the field should find this an added incentive for further study." M.H.



AGRICULTURAL EDUCATION NEWS

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

February, 1959

Memorial Funds. Contributions to the Memorial Fund for Mr. George W. Doak have reached $1,150. They will be used for the first time in 1959-60 in providing assistance to students preparing at the University of Illinois to become teachers of vocational agriculture. Contributions by the Illinois Association of Vocational Agriculture teachers, the teachers of Section 17, Alpha Tau Alpha, and the Agricultural Education Club to the Memorial Fund for Mrs. Alice R. Hamlin have been gratefully received. H.M.H.

Conference on Vocational Education Opportunities for Rural Young Men. Three from Illinois (H. R. Damisch, H. W. Hannah, and H. M. Hamlin) will attend a conference at Iowa State College on January 19 and 20 to consider occupational outlets and occupational training for farm-reared young men. The conference is under the auspices of the Agricultural Adjustment Center at Iowa State. Six states have been asked to send representatives: Illinois, Iowa, Georgia, Oklahoma, Oregon, and Pennsylvania. It is hoped that at this conference plans will be made for a national conference in June, 1959, to which all states will be invited to send representatives. H.M.H.

First Meeting of AVA Committee on Public Information. Twenty persons are expected to attend the first meeting of the AVA Committee on Public Information at Washington, D. C., February 2 to 4. They include members of the committee, consultants, and the president of the AVA, Dr. H. H. London. This is a very strong committee, which is receiving enthusiastic support from AVA officials. The willingness of many very competent and busy persons to give time to the committee indicates the importance they attach to getting before the public and the educational profession the facts and considerations they need in making decisions about vocational education. H.M.H.

Executive Secretary, National Association of Secondary School Principals, Defends Vocational Education. Writing in the Bulletin of the National Association of Secondary School Principals, Dr. Paul E. Elicker said in October, 1958: "It is only right and proper for our citizens to re-examine the present vocational offerings in the schools and to reduce, change, or even eliminate them from the curriculum of the public secondary school. However, the solutions offered to the schools to provide for the students now taking vocational courses seem impractical and not in harmony with the emergence of the changing social and economic demands in this modern technological and scientific age." H.M.H.

Finance Study. The study of methods of financing vocational education in Illinois is now well under way under the direction of Dr. William P. McLure, Director

of the Bureau of Educational Research, University of Illinois. He is assisted by Dr. George C. Mann, formerly Director of Adult Education in California; Jerome Moss, a doctoral student in Industrial Education; a full-time secretary; and a committee including Dr. Van Miller, Dr. M. R. Karnes, and Dr. H. M. Hamlin.

Considerable attention is being given currently to estimating the scope of the job to be done in vocational and technical education so that a judgment can be made as to the funds that will be required. Information is being gathered from many sources, including the State Board of Vocational Education, the Illinois Employment Service, and the Bureau of Labor Statistics.

The number of new farm operators needed annually in Illinois is tentatively estimated at 4,200, a figure somewhat higher than the estimate of the Study Group on Agriculture of the Allerton House Conference on Education. About 4,000 boys are graduated from Illinois high schools each year with some training in vocational agriculture. Those who are working on the finance study are impressed with the advanced age of Illinois farm operators, whose median age is now 49, only 16 years away from the time when social security benefits become available. Apparently our schools should not operate on the assumption that the demand for new farm operators is about to dry up, though they should recognize that a smaller percentage of farm boys than formerly can find opportunities in farming. Apparently about eight new farm operators are required, as an average, for each department of vocational agriculture in the state. How many schools are turning out eight graduates each year who enter farming? H.M.H.

Study of Implications for Agricultural Education of the State High School Inventory. During the fall months a study was made under the direction of Dr. H. C. Hand of the College of Education of the programs of students in 46 representative Illinois high schools who were graduated in 1957. Thirty-three of these schools teach vocational agriculture. Dr. G. P. Deyoe is utilizing the data from this study to answer many questions about the programs of students enrolled in vocational agriculture. How do their credits in English, mathematics, science, social studies, and foreign languages compare with those of other students? What are they omitting in order to take vocational agriculture? These are only two of twenty or more questions which the data will answer. H.M.H.

Placement Situation. This report covers the period from December 10 to January 7.

Three schools are listed as having vacancies. The duties for two positions begin February 1, 1959; the duties for the other position begin July 1, 1959.

Three inexperienced teachers and seven experienced teachers are listed as being available for placement.

Placements not prevously reported are as follows: Tamms, William Layton; and Toledo-Greenup, Robert Coots.

Teachers who are contemplating a change in position should activate their credentials as soon as possible. A.H.K.

Agricultural Education Scholarship. Prentice-Hall, Inc., has announced its second annual award of $500 to a college senior, a teacher of vocational agriculture, or other qualified person who desires to do graduate work in agricultural education. Copies of the application form may be secured from H. M. Hamlin, 103 Gregory Hall, Urbana, Illinois. All applications must be in Washington, D. C., by midnight, June 1. H.M.H.

January 23, 1959

PRICE LIST OF FEEDS[1]

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 ton in dollars
Corn, bu.	$ 1.05
Corn, ground, bu.	1.12
Oats, bu.	.60
Oats, ground, bu.	.67
Barley (feed), bu.	1.05
Barley, ground, bu.	1.12
Sorghum grain, cwt.	1.75
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	1.96
Whole milk, cwt.	3.95
Corn silage, ton & Sorghum silage	8.00-10.00
Grass silage, ton	
No preservative added	6.00- 8.00
Preserved with 70-100 lb. molasses.	7.00- 9.00
Preserved with 150-200 lb. ground corn.	11.00-13.00
Clover and mixed hay (Add $5 per ton for baled hay and straw.)	20.00
Cowpea hay	17.00
Soybean hay	18.00
Alfalfa hay	21.00
Timothy hay	19.00
Corn stover, ton.	12.00
Oat straw, ton.	13.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, February 1959

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

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Illinois State Board of Vocational Education

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

All of us are aware of the many activities that require so much of our time during the year. We are involved with many organizations in addition to the one directly affecting our profession. Therefore, by necessity, we must budget our time in order to participate most effectively in the activities of our association.

Events of major importance will be the I.V.A. convention, the summer conference, the F.F.A. convention, and the state judging contest.

To enumerate the countless other activities performed in our organization and to list all the persons who helped would be a very difficult task. Rather than attempt to individually recognize each person, I wish to thank everyone who has served and is serving the I.A.V.A.T. this year.

N.V.A.T.A. News

George Buchanan, vice-president of Region IV, reports that we have 1,880 members. Last year the membership was 2,029. We are reminded that on a national level our strength to bargain depends to a considerable degree on the numbers we represent. In order to receive the support of other national organizations, we must have the support of every potential member.

The Ag Ed Magazine editors request that we plan contributions for future publications. These articles must be submitted three months in advance to be considered for publication in an issue. To help you plan your contributions as well as aid you in planning for more effective use of the magazine, the following themes are listed for the first few months of Volume 32:

July - "Establishment in Farming Through Farming Programs."
August - "Professional Organizations for Teachers of Vocational Agriculture."
September - "Working With Young and Adult Farmers."
October - "Planning for Teaching."
November - "Vocational Education and the Community."
December - "Effect on Agricultural Education of Changes in Schools and Educational Programs."

Committee Activity

The annual meeting of the executive committee of the State Sponsoring Committee, Illinois Foundation Future Farmers of America, was held in Springfield on February 10.

Tommy Clark, State F.F.A. President, reviewed the purpose and importance of the Foundation.

Mr. J. E. Hill, Director of Vocational Education, emphasized the importance of giving and receiving in our daily living.

Mr. H. R. Damisch, Chief of Agricultural Education, expressed appreciation on behalf of the F.F.A. organization for the interest shown by the many people who have contributed to the success of the F.F.A. Foundation.

The chairman for next year is Mr. M. G. VanBuskirk, and the vice chairman is Mr. Cliff Lant. Both of these men are long-time friends of the F.F.A. and have contributed much to the success of the Foundation.

Let's all get better acquainted with the F.F.A. Foundation and in turn give to our students information concerning this organization which is working for them.

Proposed Constitutional Amendments

The Executive Committee unanimously voted to present the following proposed constitutional amendments to the I.A.V.A.T. members at the next business meeting in June 1959. This proposal is in accordance with our Constitution, Article XIII, Amendments.

Proposed Amendments to Article V, Officers.

Added to Section 4. A member must have a contract to teach and be teaching vocational agriculture to be an active member.

Section 5. When an officer ceases to be an active member, he must resign his office. No active member shall hold more than one office.

Sectional News

Section 1. Clifton Wick reports that the fish were biting real well off the coast of Florida during the latter part of December. According to the information from Cliff, the size of these fish are too large to report in a short article in the newsletter. How about a required trip to Florida for ag teachers, with expenses?

Section 4. All of us are smoking cigars as a result of the recent marriage of Claude Nelson, our sectional chairman. At a winter meeting held on February 4 in Galesburg, the sectional fair was the main topic of discussion. James Litchfield was elected manager for the Section 4 fair, which will be held in conjunction with the Knox County Fair August 3-7.

Section 6 and 7. For many years Section 6 and 7 have conducted several events and activities at the same time. The advantages of such an arrangement are that sectional activities are not judged by their own agriculture instructor, and they are assured of enough judges. The events that have been conducted together are (1) Parliamentary Procedure Contest, (2) Public Speaking Contest, (3) Dairy Judging Contest, (4) Selection of Foundation Award Winners, and (5) Program of Work Contest.

Section 6 plans to conduct its F.F.A. Leadership Training School on May 6 for the chapter officers elected for the year 1959-1960.

Section 13. V. A. Green reports that their sectional grain show was held at Camp Point. Included in the classes of the show was one listed "1 gallon-$4-$3-$2." Is this a "refined" product of grain?

Section 13 Livestock Fair will be held as usual at Mt. Sterling in conjunction with the Brown County Fair. The F.F.A. show will be on the last day of the fair, August 7.

Section 14. R. D. Bast reports that their school was damaged to the extent of about $100,000 in the recent fire at Chatham. Only a small part burned, but the entire school was smoke-damaged.

M. J. Worthington, Petersburg, conducted an excellent two-day tractor maintenance school for the agriculture teachers on December 29-30.

Keep sending the news to:

Ray Dunn
840 South Farnham Street
Galesburg
Illinois

VO-AG SERVICE

Announcements & Notes

Vocational Agriculture Service Catalog. Probably by this time those on our mailing list for the AIDS have received our spring catalog. This listing was prepared primarily for use in connection with 1959-60 budgets, but can be used to order items for immediate delivery or for pick-up at the time of the June Conference or later.

This catalog is the result of recommendations made at the meetings with various sectional groups. In one section we found that some of the teachers submitted their budgets for the 1959-60 school year as early as the first half of March. Consequently, copies were mailed to everyone during the week of February 16. If you fail to obtain your copy, and desire one, please let us know. M.H.

Items for Pick-up June Conference Week. We will fill as many orders as we can that are placed during Conference, but the time required for exchanging FFA roadside signs that have been reconditioned and for delivering orders previously packed for pick-up will necessarily limit the number we can fill during Conference. Consequently, any teacher who plans to pick up items at the Conference should notify us in advance and not later than June 1. This applies to orders for bulletins, circulars, Farm Record Books, and the like, as well as to our own VAS items.

With minimum express charges of approximately $2.00 and postage charges of $1.00 or more not uncommon, we can readily understand why teachers might wish to pick up items, especially if they are breakable. We wish to be as helpful as we can, but if you want to be sure to have your orders ready for pick up June Conference week, be sure to place them prior to June 1, and clearly indicate that they are to be held for pick-up the week of June 8. M.H.

Bulletins and Circulars. Two bulletins from the College of Agriculture have reached us since the last issue of the AIDS. They are 635, "Performance of Commercial Corn Hybrids in Illinois, 1958" and 636, "1958 Performance of Experimental Corn Hybrids in Illinois." Please note that Bulletin 636 deals with experimental rather than commercial hybrids. Copies are available in the regular manner. M.H.

Illinois Circular 758--Understanding Soils. We regret to announce that copies of Circular 758 are no longer available. This publication was in reserve for some time, but we understand that the supply is now practically exhausted. This is a publication that many vocational agriculture instructors have found extremely helpful, but unfortunately no plans seem to be under way to make a reprint or a revision available in the near future. M.H.

Illinois Research, Volume I, No. 1. This publication was mentioned on page 4 of the February AIDS. In that announcement we indicated that teachers wishing future copies should send their requests to the Information Office. Because of the interest that was shown, we understand that future copies will be sent to all vocational agriculture teachers in Illinois. If you neglected to send in your request, you need not do so, since your name will automatically be added to the mailing list. M.H.

Tape Recording of 1958 Public Speaking Contest. Vocational Agriculture Service has a tape recording of the talks made by the first, second, and third place state winners in the 1958 Public Speaking Contest held at the time of the FFA Convention. This tape is available on the same basis as other tapes--$3.50 if we furnish the tape or $1.50 if you send us a tape for duplicating. Prices are f.o.b. Urbana. E.L.K.

Tape Recordings. Mr. Knake tells me that arrangements have been made with Professor S. R. Aldrich of the Agronomy Department to prepare a tape recording on the subject of liquid fertilizers. We hope it may answer many of the questions being raised by farmers regarding this type of fertilizing. The tape will contain information on the composition, use, and benefits of liquid fertilizers. We cannot promise that this recording will be ready by the time you receive this issue of the AIDS. We hope that it will be, but are not sure enough to include it on the tear sheet. We will include further information in the April AIDS, but since that may be too late for some of you to use the recording in your adult programs, we are making this preliminary announcement. The tape will be $3.50, f.o.b. Urbana. If you need it immediately and wish to order it, we will try to fill your order as soon as possible. M.H.

Plans for Utility Farm Buildings--Shop and Machinery Storage Adaptation. Sometime ago we noticed an announcement regarding these plans and immediately contacted the West Coast Lumbermen's Association about them. We received a letter from Mr. A. A. Zander, Advertising and Promotion Manager of West Coast Lumbermen's Association, 1410 S. W. Morrison Street, Portland 5, Oregon, enclosing copies of the plans and stating that additional copies were available without charge to any vocational agriculture teacher in Illinois or other interested persons upon request to the association.

There are four rather complete sets of plans for buildings with 24', 30', 36', and 40' spans. The plans contain drawings, bills of materials, and instructions for constructing a utility farm building designed as a farm shop and machinery storage. We understand that these plans were prepared by the Agricultural Engineering Department of Michigan State University. If you are interested in any of them, we suggest that you send your request direct to the address given above. M.H.

Annual Farm Machinery Day. Professor Wendell Bowers of Agricultural Engineering has asked us to make the following announcement:

> "The 6th Annual Farm Machinery Day will be held in the Stock Pavilion at the University of Illinois on Tuesday, March 10, starting at 9:30 a.m. Invitations are being extended to farm machinery dealers and their company representatives. Vocational agriculture teachers and county extension personnel are invited to join with dealers in attending this event. You will soon receive a program and reservation form."

W.B.:M.H.

Area Meetings on Swine Production. On pages 4 and 5 of the February AIDS, we included the program for Swine Day to be held on the campus on March 5. We wish to call your attention to the following announcement which appears at the end of the Swine Day announcement being sent to various groups throughout the state:

> "We also call your attention to similar area Swine Day programs at the following locations: March 10, Peoria Exposition Gardens;

March 11, Cambridge Community Building; March 12, Rock Falls Armory; March 13, Northern Illinois University Auditorium, DeKalb; March 16, Macomb First Presbyterian Church; March 17, Jacksonville High School; and March 18, Mt. Vernon High School.

M.H.:H.G.R.

Farm and Home Festival. The dates for the FARM AND HOME FESTIVAL are April 2, 3, 4, 1959. Saturday April 4, 1959, has been designated as Agriculture Student Guest Day and Home Economics Hospitality Day.

Vocational agriculture teachers will receive detailed printed programs of the FESTIVAL about the middle of March. A variety of new exhibits is being prepared, and the presentations will include such topics as minimum tillage, tax reform problems, dwarf corn, farm policy, and others of interest to your students.

Dean H. W. Hannah is sending a letter to vocational agriculture teachers giving details of the Agriculture Student Guest Day program. Dean C. D. Smith will discuss college admission, costs, scholarships, and housing. There will be presentations by students of the College of Agriculture on "Part-Time Jobs" and "My First Year at Illinois." Dean Hannah will discuss career opportunities. These presentations will be followed by small discussion groups for those interested in special fields, such as agricultural journalism, agricultural engineering, veterinary medicine, agricultural education, and others.

A poster about the FESTIVAL will be included with the March AIDS, and another poster featuring Agriculture Student Guest Day will be mailed to vocational agriculture teachers with the FESTIVAL program. These posters are designed for vocational agriculture and feature Future Farmers. We hope that they will help you promote the 1959 FARM AND HOME FESTIVAL and Agriculture Student Guest Day. R.F.E.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

DAIRY CATTLE JUDGING AND SELECTION. 1959. William W. Yapp. $5.95 John Wiley & Sons, Inc., 440 Fourth Avenue, New York 16, New York.

The jacket of this book contains the following statement: "Approaching the subject from a functional viewpoint, this book offers a broad and inclusive treatment of the physical characteristics of dairy cattle. Special emphasis is given to the functional relationship between dairy farm and milk yield.

"The author recognizes and uses scientific findings that are relevant to a particular judging problem. He distinguishes between herd selection for better herd development and accepted show ring standards.

"The more glamorous aspects of pure-bred dairy cattle production are also recognized, including herd classification, junior projects, and fitting and exhibiting dairy cattle. Here again, the bond between science and practice, the physical and functional, is preserved." M.H.

TREE FRUIT PRODUCTION. 1959. Shoemaker and Teskey. $6.95. John Wiley & Sons, Inc., 440 Fourth Avenue, New York 16, New York.

According to the preface, "This is a book on the culture and handling of apples, pears, peaches, cheeries, plums, apricots, nectarines, quinces, and citrus fruits. It has been written to answer the need of students, teachers, and others who require the most up-to-date information on the production of tree fruits. Included in the discussion are subjects which confront every grower of these fruits and every student of pomology.

"Orchard operations, such as soil management, use of fertilizers, pruning, thinning, harvesting, storage, and marketing, that are commonly referred to as standard practices, are constantly undergoing change. Research developments resulting in better techniques and materials, together with increased mechanization and the pressure of economic competition, force the adoption of improved procedures such as are presented in this text." M.H.

THE STOCKMAN'S HANDBOOK. 1959. M. E. Ensminger. $6.50. The Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois.

"Probably no book in the field of agriculture met a more universal and widespread acceptance than did The Stockman's Handbook when it was first published in 1955. The demand was so great that there had to be second, third, fourth, and fifth printings, with no end in sight.

But so many important scientific discoveries and technological advances were made in the livestock industry between 1955 and 1959 that Dr. Ensminger recognized the need for a sweeping revision of the book. He made this massive revision, and more than 200 eminent agriculturists from coast to coast participated in critical reviews of those sections which pertained to their specialties, insuring that in competence and coverage even the high standards of the first edition have been surpassed."

Some of the nineteen chapters are Breeding Livestock; Feeding Livestock; Management; Buildings and Equipment; Animal Health, Disease Prevention, and Parasite Control; Selecting and Judging Livestock; Fitting and Showing Livestock; Marketing Livestock; Meat; and Law on the Livestock Farm. M.H.

FARM MECHANICS TEXT AND HANDBOOK. 1959. Phipps, McColly, Scranton, and Cook. $4.50. The Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois.

"This enlarged and almost completely rewritten text is the most complete and comprehensive farm mechanics book available today.

"During recent years there have been so many new developments in farm mechanics and applications that only a 1959 edition can be considered truly up-to-date. The authors have completely revised many of the chapters in order to enable the farmer and the student of farming to meet their every-day problems in this modern age.

"This is a book so simply written that a high-school boy can readily understand it, and is widely used in vocational agriculture courses in high schools throughout the nation, yet it is so well-prepared and well-presented that it is used in many colleges as well. It contains a wealth of pictures and diagrams that go a long way in explaining the topic being discussed; the pictures make it easier for the student or other reader to understand the written explanations."

Some of the fifty chapter headings are Understanding and Using Farm Mechanics, Using Safety Precautions, Selecting and Using Hand Power Tools, Repairing and Sharpening Tools, Making Simple Sketches and Reading Blueprints, Woodworking and Farm Carpentry Projects, Welding With an Electric Arc Welder, and Working Hot and Cold Metal. M.H.

APPROVED PRACTICES IN FEEDS AND FEEDING. 1959. Daniel W. Cassard. $2.00. The Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois.

According to the review data sheet, "The subject of feeds and feeding receives a deservedly heavy emphasis by farmers. The cost of feed represents the greatest single item of expense in raising and fattening animals; for many types of livestock the cost of feeds alone represents over one-half of the total expense. Feeding livestock is a delicate matter--often the margin of profit is so small that a mistake can prove disastrous.

"It is therefore imperative that the practical farmer know what practices in feeding livestock have been tried, tested, and found best by state agricultural

experiment stations, by the U.S. Department of Agriculture, and by successful farmers through-out the nation. However, the busy farmer has neither the time nor the opportunity to search through thousands of pages of research data, bulletins, articles and other publications to find such information. Now he has no need to do so; Dr. Cassard has done this for him."

Ten of the fourteen chapter titles are Opportunities in Livestock Feeding, Use of Feed by Animals, Types of Feeds, Determination of Balanced Rations, Mixing and Preparation of Feeds, Feeds for Beef Cattle, Feeds for Sheep, Feeds for Dairy Cattle, Feeding Hogs, and Feeding Horses. M.H.

Farm Equipment Welding Plans. 1959. Prepared in cooperation with Vocational Agriculture Service. $.75. The James F. Lincoln Arc Welding Foundation, Cleveland 17, Ohio.

"This booklet contains detailed plans, illustrations and suggestions for making shop tools, miscellaneous farming equipment, implements, livestock equipment, and trailers. The 44 plans provide shop projects ranging from simple to fairly complex, all of which have been made in either a school or farm shop. Vocational Agriculture Service of the University of Illinois drew the plans and prepared the bills of material from original plans submitted to The James F. Lincoln Arc Welding Foundation by students and farmers."

Although this booklet was prepared in cooperation with Vocational Agriculture Service, copies are available only through the source indicated above. M.H.

Arc Welding. 1958. William A. Sellon and John Matthews. $.75. The James F. Lincoln Arc Welding Foundation, Cleveland 17, Ohio.

The following is taken from the introduction: "This brief manual is only an introduction to familiarize you with arc welding, a manufacturing and maintenance process that is vital to the successful operation of business, industry, agriculture and services. The lessons listed in the CONTENTS contain information to help you understand what arc welding is, why it is important, and how it may assist you in your shop and future work. You will learn welds that enable you to make tools, equipment, toys, furniture and repairs. How skillful you become depends upon you. Your teacher can show you how, but you must practice." M.H.

Arc Welded Projects. 1958. William A. Sellon. $.50. The James F. Lincoln Arc Welding Foundation, Cleveland 17, Ohio.

"This book shows pictures and plans of typical projects built in school shops using arc welding. A bibliography following provides additional sources of hundreds of project plans from books and magazines. Many of these are available in school shops, school libraries, public libraries and homes.

"These project plans serve several purposes. They illustrate the breadth of welded fabrication possible in the school shop, and afford projects of your choice and ability using the metallic arc and arc torch." M.H.

Illinois Farm Electrification Council Annual Report. With the March Agricultural Releases, we are enclosing a copy of the IFEC Annual Report. Of course, this council has been of much assistance in the vocational agriculture program for a period of several years. The vocational agriculture committee of that organization has been very fortunate in the two chairmen it has had from the IFEC, and we feel certain that teachers who are not Agricultural Release subscribers may wish a copy of the report. If so, a copy can be obtained without cost by sending your request either to our office or to Agricultural Engineering. M.H.

AGRICULTURAL EDUCATION NEWS

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

New College of Agriculture Committee Concerned With Agricultural Education in the Public Schools. Dean L. B. Howard of the College of Agriculture has appointed a Committee on Agricultural Education in the Public Schools. It is to concern itself with the relationships of the College with vocational agriculture, the responsibilities of the College in connection with nonvocational agricultural education in the public schools, the preparation of students who will enroll in the College of Agriculture, and the attitudes of the College in general toward agricultural education in the public schools. Associate Dean H. W. Hannah is chairman. Other members are K. E. Gardner, Dairy Science; H. M. Hamlin, Agricultural Education; Melvin Henderson, Vocational Agriculture Service; F. B. Lanham, Agricultural Engineering; W. D. Murphy, Agricultural Extension; and Warren K. Wessels, Assistant to the Dean. The committee hopes to work with the Illinois Association of Vocational Agriculture Teachers. H.M.H.

National Conference on Agricultural Education. Head supervisors and teacher trainers from all of the states will meet with the staff of the Agricultural Education Branch of the U. S. Office of Education in Chicago March 3 to 7. The meeting substitutes this year for the usual regional conferences. Some of the topics included in the agenda are adapting vocational agriculture to changing social, economic, agricultural, and educational conditions; determining content and standards for day classes; developing area programs; developing national programs of research; determining standards for teacher training; developing young and adult farmer education; and conducting vocational agriculture in schools where increased emphasis is being given to science, mathematics, and foreign languages. H. M. Hamlin is chairman of one of the six subcommittees, the committee dealing with research and teacher training. H.M.H.

Study of Adjustments in Local Departments. "Adjusting Local Programs of Vocational Agriculture to Changes in Agriculture" is the title of a major research project nearing completion in the Division of Agricultural Education. Data for this study were collected in 30 selected departments of vocational agriculture in Illinois in which the teachers had served for several years. These are believed to represent better-than-average departments in Illinois with respect to completeness of programs and adjustments that have been made.

With the cooperation of the teachers in these departments, detailed information was secured about the extent to which recent technological developments in several enterprises and major phases of farming had been included in the instructional programs and applied to the farming programs of students. Also, data were secured relative to the various activities of teachers in making adjustments, recent changes to improve the programs in the departments, sources of help in making changes, and special problems these teachers faced in making adjustments.

In general, the teachers included in this study are doing well in keeping instructional programs in line with many of the recent technological developments in agriculture. Some lags and gaps are evident in certain enterprises and major phases of farming and in the carryover of instruction to the farming programs of students.

These departments have used several kinds of surveys to secure data helpful in determining trends and securing other information helpful in making adjustments. In addition, many of them use various kinds of data available from several sources.

Many of these departments conduct guidance activities that include consideration of opportunities for establishment in farming and in nonfarm agricultural occupations, and requirements and opportunities for continued education in colleges and universities.

These departments reported many recent changes in building facilities, reference materials, and equipment. Of several sources and methods helpful in determining the adjustments which should be made in the local programs, the use of advisory groups was indicated most frequently.

The teachers indicated a variety of problems and concerns in adjusting local programs of vocational agriculture. Some expressed serious concern about how to keep pace with new developments in farm mechanics, especially in farm machinery and power equipment.

Much of the information collected in this study should be helpful to many teachers of vocational agriculture and others responsible for adjusting local programs to the accelerating changes in agriculture. The list of items indicating recent developments in various phases of farming should be useful in checking the instructional programs and the changes in farming programs of students. The various methods and sources found helpful by the teachers in the 30 departments should aid others in meeting the challenges of a dynamic agriculture.

The completed study will be made available to teachers of vocational agriculture in Illinois and others sometime this spring. G.P.D.

Meeting on Trends in Agricultural Education. The advisory committee for agricultural education at Teutopolis spent the evening of February 12 in considering trends in public school education in agriculture. Board members from Teutopolis and guests from Altamont and Dieterich and H. M. Hamlin of the University of Illinois shared in the discussion. Members of the Advisory Committee had previously read the full report of the Study Group on Agriculture of the Allerton House Conference on Education. H.M.H.

American Institute of Cooperation to Meet on Campus. The University of Illinois will be host, August 9 to 12, to the American Institute of Cooperation. The program of the Institute will be of great interest to teachers of agriculture. It is expected that 1,000 young people will attend the meeting. They will be sponsored by local and state cooperatives; at least 80 percent of them are high school students, and many of them are members of the FFA. About 40 persons gathered on February 13 to start planning the meeting. Nearly all groups in Illinois interested in agriculture and agricultural education were represented, including H. R. Damisch and O. C. Holt of the State Board staff, Melvin Henderson of the Vocational Agriculture Service, and H. M. Hamlin of the Division of Agricultural Education. H.M.H.

Meeting of Public Information Committee. The Committee on Public Information of the American Vocational Association held its first meeting in Washington, D. C., February 2 to 4. Twenty committee members and consultants outlined a program involving (a) a series of publications of four to six pages, each setting forth the facts about vocational education and the considerations the public should have in mind as it makes decisions about it; (b) a nation-wide program of public information conducted in cooperation with the TV and radio networks, national magazines, and national organizations; and (c) local and state programs of public information. Developments in the work of the committee may be followed in the American Vocational Journal. H. M. Hamlin is committee chairman. H.M.H.

New Agricultural Career Booklet. In the very near future you will be receiving from the College of Agriculture, University of Illinois, a Land-Grant Colleges and Universities Association booklet entitled, "I've Found My Future...in Agriculture."

This booklet tells in picture and in print a little about the many agricultural occupations for which a young man can prepare by attending a college of agriculture. The booklet will help you open the eyes of your students to the wide variety of job opportunities within the field of agriculture. It will be useful to you as a special reference when teaching about agricultural occupations and as special reading material for those students you are encouraging to consider the possibilities of going to college.

Since the supply of this booklet is limited, no further general distribution can be made. Individual requests will be honored as long as the supply lasts.

Copies of "Your Career in Agriculture" at the University of Illinois College of Agriculture are available on request from the College of Agriculture. This publication contains answers to many of the questions being asked by college-bound students, in addition to career information. A.H.K.

The Placement Situation. This report covers the period from January 7 to February 10.

Two schools are listed as having vacancies with duties beginning July 1.

There are 28 inexperienced teachers on the available list; approximately 30 experienced teachers have activated their credentials.

There has been one placement since the last report: John Dickson has been employed at Carrollton. A.H.K.

INDEX

February 20, 1959

PRICE LIST OF FEEDS[1]

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 ton in dollars
Corn, bu.	$ 1.06
Corn, ground, bu.	1.13
Oats, bu.	.60
Oats, ground, bu.	.67
Barley (feed), bu.	1.05
Barley, ground, bu.	1.12
Sorghum grain, cwt.	1.85
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	1.96
Whole milk, cwt.	3.95
Corn silage, ton & Sorghum silage	8.00-10.00
Grass silage, ton	
No preservative added	6.00- 8.00
Preserved with 70-100 lb. molasses.	7.00- 9.00
Preserved with 150-200 lb. ground corn.	11.00-13.00
Clover and mixed hay)	22.50
Cowpea hay) Add $5 per ton	18.50
Soybean hay) for baled hay.	19.50
Alfalfa hay) and straw.	25.00
Timothy hay)	21.00
Corn stover, ton.	12.00
Oat straw, ton.	13.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, March 1959

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

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IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

Information Concerning the Conference on Vocational Education

All of us who are teaching vocational agriculture are particularly concerned about what is being done at both state and national levels that affects our programs.

In January a conference on vocational education opportunities for rural young men was held at Iowa State College. States having representatives at this meeting were Iowa, Oregon, Georgia, Pennsylvania, Illinois, and Oklahoma. The chairman of the meeting was Dr. Louis M. Thompson, Associate Dean of Agriculture, Iowa State College. This conference was preliminary to a national meeting which will probably be held in May at Iowa State College. A planning committee includes Louis M. Thompson, Iowa State College, chairman; H. S. Brunner, U. S. Office of Education; and H. M. Hamlin, University of Illinois.

As part of this program, Dr. H. M. Hamlin reported some very pertinent facts regarding the vocational agriculture situation in Illinois. "About 4,000 are being graduated from high school each year with some training in vocational agriculture; about half of these enter farming. It is estimated that 2,500 to 3,500 new farm operators are needed annually. About a fourth of the seniors enrolled in vocational agriculture are going to college. The number of boys enrolled in vocational agriculture is 74 percent of the number of farm boys in the schools teaching vocational agriculture."

Another interesting note was from a study made by I. W. Arthur of Iowa State. He states, "In spite of the large number of people migrating from farms, the latest available studies indicate that there still is a large excess of boys on American farms in relation to the number of farm operators whom they might some day replace."

Committee on Public Information of A.V.A.

Keeping the public informed of vocational education is the general theme of the committee's purpose. Dr. H. M. Hamlin is the present chairman of this committee. Listed here are some of the principles that were accepted as guides for the committee to follow:

1. The basic purpose of the committee is to present facts and considerations needed by the public in making decisions about vocational education.

2. The committee will work closely with other educational groups.
3. Special approaches will be made to special audiences.
4. In general, materials will be prepared in language intelligible to laymen.
5. An effort will be made to present vocational and practical arts education at its best, but public attention will be called to the inadequacies of the programs currently provided.
6. The committee will usually deal with vocational and practical education as a whole.
7. The approach of the committee will be constructive.

N.V.A.T.A. News

W. S. Weaver, alternate vice president of Region IV, Indiana, has accepted the responsibility of publicity chairman for this region. One of his main duties will be to work with Bob Howey, national publicity chairman, on monthly articles to be used in the County Agent and Vo-Ag Teacher magazine.

President Luther Hardin met recently with A.V.A. officials in Washington and reports the following activities:

1. Commissioner of Education Derthick favors the continuation of vocational education. He thought the outlook was the best in the past several years.
2. Commissioner Dethick explained that he had canceled his address at the National F.F.A. Convention because of other business at that time. He told Luther that he had the highest regard for Vo-Ag and would appreciate the correction of any wrong impressions that were made.
3. Congressman Mills, chairman of the House Ways and Means Committee, felt that little consideration would be given to any recommendation to eliminate federal funds for vocational education.

Total paid membership as of March 1 is 8,769. Memberships are ahead of those on the same date a year ago. It would appear that last year's total membership will be exceeded this year.

Secretary James Wall says he will be pleased to furnish individual members or associations with any of the following materials:

1. N.V.A.T.A. Creed (suitable for framing)
2. N.V.A.T.A. Constitution
3. Information Bulletin (goals, objectives, accomplishments, etc.)
4. Handbook for officers
5. Program of Work for 1958-1959
6. N.V.A.T.A. emblem cut (charge $2.50)

Service Awards

Again this year our association plans to honor members who have given 10, 25, and 30 years of service to vocational agriculture in Illinois. According to

our records, the following are eligible to receive awards this year. Should anyone be missed, will he please notify J. A. Twardock at Champaign High School or Keith McGuire at Polo. The notification must be received prior to May 15.

30-year award: M. G. Roberts, Genoa.

25-year awards: G. D. Clem, Gurnee; C. E. Wick, Pearl City; Kenneth Diehl, Shelbyville; Irving Nelson, Cerro Gordo; Claude Nelson, Stronghurst; M. J. Nicol, Maroa; and Melvin Stengel, Chadwick.

10-year awards: Robert Brown, DeKalb; Joseph L. DeGulie, Coal City; and David Sistler, Arthur.

Sectional News

Section 11. Kenneth Stevens reports that the officers' banquet was held at Bushnell in conjunction with the extemporaneous and manuscript public speaking contest. The parliamentary procedure contest was conducted by Lowell Akers of Plymouth.

Section 14. The sectional grain and poultry judging contest was held at the new Lincoln High School. The State F.F.A. officers toured the Menard Electric Co-op. at Petersburg on March 5 and enjoyed luncheon with the Section 14 F.F.A. sponsors. Mr. George Wilkens, State Superintendent of Public Instruction, and Mr. Stillman Stanard, Director of Agriculture, were visited by the group.

Section 15. Congratulations to Guy O. Petty, who was recently appointed to the position of principal of the Carrollton High School. The new vo-ag teacher at Carrollton is John Dickson.

Section 18. We are all sorry to hear of the illness of Richard Smith of Paris. We wish him a speedy recovery.

Keep sending the news to:

Ray Dunn
840 South Farnham Street
Galesburg, Illinois

VO-AG SERVICE

Announcements & Notes

O. F. Gaebe Dies--"Ollie" as he was known to his host of friends, died on March 16 at the age of 52 years. He was vocational agriculture instructor at Salem from 1930 to 1936, when he left to accept a position in 4-H Club work in the College of Agriculture. But he continued to be a sincere friend and loyal supporter of vocational agriculture. As superintendent of the Junior Division of the Illinois State Fair, he naturally had numerous contacts with vocational agriculture teachers and their FFA boys. Following the death of E. I. Pilchard, Ollie assumed charge of the 4-H program in Illinois. In that position, we had frequent occasions to work and confer with him. During the years Ollie and I knew each other (dating back to his college days), I found him to be a most sincere friend and truly a co-worker. We who had the privilege of knowing him have lost a real friend, and vocational agriculture has lost an energetic, loyal, and steadfast supporter. M.H.

Illinois Feed Association Awards Dinner. As far as the supply will permit, a letter and a poster regarding an Awards Dinner will be included with each copy of the April AIDS being sent to the vocational agriculture teachers in Illinois. This relates to the Awards Dinner to be given by the Illinois Feed Association on June 17 at Springfield which is during the FFA Convention. The dinner will honor section winners and their teachers in dairy, beef, poultry, hogs, and sheep. M.H.

Bulletin 638--Management and Costs of Field-Shelling and Artificial Drying of Corn in Illinois. Since the last issue of the AIDS, we have received one new publication from the College of Agriculture. It is Bulletin 638 whose title is given above. Single copies are being sent to Agricultural Release subscribers with the April mailing of releases. Others who are interested can obtain copies in the regular way. We understand that copies are priced at 20 cents each on out-of-state orders. M.H.

Liquid Fertilizers--Tape Recording. A preliminary announcement regarding this tape recording was made last month. This tape is now available on the same basis as other tapes. Professor S. R. Aldrich of the Department of Agronomy answers such questions as: What are liquid fertilizers made of? Is liquid fertilizer more available to plants than is dry fertilizer? Do liquid fertilizers freeze? Can liquid fertilizers be applied in the winter? What are the main advantages of liquid fertilizers? The tape is about 20 minutes in length and is priced at $3.50, f.o.b. Urbana. To order, use the order form in this issue of the AIDS. E.L.K.

Fertilizer Samples. We have made up 500 sets of fertilizer samples. Each set contains twelve 1 1/2-ounce labeled samples of the following fertilizers: ammonium nitrate, muriate of potash, fertilizer borate, ammo-phos, superphosphate, triple superphosphate, ammonium sulfate, rock phosphate, limestone, 6-24-12, 7-10-10 (liquid), and 32-0-0 (liquid).

We tried to include some of the fertilizers most commonly used in Illinois. Two samples of actual liquid fertilizer (not water) are "features" of the set. Each sample represents a specific fertilizer. You may have seen a fertilizer with the same analysis as one in this set but which appeared quite differently, because of such factors as source of material and manufacturing process.

A charge of 60 cents per set (f.o.b. Urbana) is being made primarily to cover the cost of materials, labeling of samples, and packaging. Since shipping charges are about 30 cents per set, we presume that most Illinois teachers will wish to pick up their sets at the time of the June Conference.

The fertilizer borate was made available by United States Borax and Chemical Corporation, and the Ammo-Phos by the Olin-Mathieson Chemical Corporation.

NOTE: Shipping charges on the set of fertilizer samples are 31 cents. Shipping charges on the set of soil-texture standards (see next item) to any points in Zones 1 or 2 are 27 cents. When both sets are ordered and shipped at the same time, the charge for the two sets packaged together is 39 cents. You of course can save the entire 39 cents shipping costs by ordering before the June Conference and asking that your order be held for pick-up during Conference week. E.L.K.

Soil Texture Standards. In cooperation with the Department of Agronomy, we have prepared 500 sets of "Soil Texture Standards." Each set contains five soil samples of different textures--fine, moderately fine, medium, coarse, and very coarse. These divisions correspond with those listed in Illinois Circular 758 and are the ones currently used in land use selection contests. The specific textural classes that are included are clay, silty clay loam, silt loam, sandy loam, and sand.

Each sample (approximately 1 1/2 to 2 1/2 ounces) is in a labeled bottle, and an explanation sheet is included with each set which gives the percentages of sand, silt, and clay in each sample as determined by mechanical analysis.

The price of 40 cents per set (f.o.b. Urbana) is made possible through cooperation of the Department of Agronomy in helping to collect the samples and make mechanical analyses, and through the cooperation of R. J. Helfinstine, State Geological Survey, who donated the more than 6,000 bottles which contain the samples. The charge is primarily for preparing the soil, labeling, and packaging.

This set was made up to serve as a standard for the teacher in collecting larger bulk samples for student use when studying soil texture. One of these sets was used in taking pictures included in the VAS Unit on soil texture, to be released this year.

Although each department will probably need only one set, we have not limited orders to one per department because of the record-keeping that would be involved. We are suggesting, however, that no school order more than one set until at least after the June Conference. We presume that each Illinois teacher will then have had an opportunity to obtain his set. We also suggest that you pick up or order your set no later than June Conference time if you wish to be assured of getting one.

Since shipping charges are almost as much as the price of the set, most teachers will probably wish to pick up their sets at the time of the June Conference unless they need them earlier. (See note following announcement of Fertilizer samples.)

Welding Display at June Conference. We have heard from enough teachers who are planning to bring items that we can say definitely that there will be a display of welded projects at the June Conference. However, we need that one that YOU have been intending to enter. If you have mislaid the form, just write us a letter and enclose a dimensioned sketch of the object so that we can prepare plans for free

distribution at the time of the display. A photograph (which we will return) may help us to prepare plans more accurately. Some of the items that have been promised so far include a farrowing crate, welding jig, welding clamp, hoist, auto creeper, hose reel, foot scraper, gate, nail and bolt container, weld tester, and drill press vise. This is just a start. Don't worry about duplicating some of the items listed here, as your idea may be entirely different. J.W.M.

Items for Pick-Up, June Conference Week. If you would like to pick up items at the Vo-Ag Storage Building on Florida Avenue during June Conference, we can have your order ready if you will send it to us before June 1. This applies to bulletins, circulars, and farm account books, as well as to our own VAS items. Of course, we will do our best to fill any orders placed during the Conference week, but you can avoid delay if you will send your orders ahead of time. If you order before June 1, please indicate clearly that it is to be held for pick-up during the conference. M.H.-J.W.M.

Slide Set--"Safe and Efficient Fertilizer Placement." We have an announcement from Mr. Werner Nelson of the American Potash Institute, 402 Northwestern Avenue, West Lafayette, Indiana, regarding a new color slide set on "Safe and Efficient Fertilizer Placement." It is available for loan or purchase, as indicated by the following excerpt from the announcement:

> "This set of slides has been assembled by our Midwest staff with the aid of many cooperators. A suggested script has been prepared to accompany these 40 slides.
>
> "The importance of getting both efficient and safe placement of fertilizers is stressed because poor placement often limits the response to fertilizers.
>
> "Slides and script suggestions cover different phases of the subject, as -
>
> Objectives of good placement
> Principles of placement
> Row crops
> Forage
> Small grains
> Corrective applications and rotational fertilization
>
> "Specific examples are stressed by photos and charts. The slide set tells a complete story, but it can be used to supplement slides from your locality.
>
> "Set can be obtained on loan for 10 days; or purchased, at cost, for $4.00 per set. Anyone interested in the loan or purchase of these slides should contact the American Potash Institute at the above address." E.L.K.

F.F.A. Roadside Signs. A letter sent to all teachers having FFA roadside signs to be repainted and reconditioned indicated that the last of the sets would be ready for pick-up by Saturday, April 4, which is Student Guest Day at the College of Agriculture. Progress on the work has been a little more rapid than we had expected and as of this date, March 20, 1959, all sets are now ready for pick-up M.H.

FARM AND HOME FESTIVAL PUBLICITY. We need your assistance in evaluating our pre-FESTIVAL publicity. We need some feedback from the vocational agriculture teachers to determine whether the material we have provided has been helpful to you in publicizing the FESTIVAL. Please fill out the business reply card and drop it in the mail. R.F.E.

Community Wool Pools and Activities. Shortly after the material was prepared for the March AIDS, Professor Garrigus called our attention to an item that appeared in the February 1959 issue of Better Farming Methods, entitled "An Ag Teacher Tells How to Form a Community Wool Pool." Professor Garrigus commented that it might be possible for junior shearers in a community to do both themselves and their community a real service in this way, and that other activities besides shearing might include dipping, drenching, and the like. M.H.

ANNOUNCEMENTS RELATING TO ACTIVITIES IN CONNECTION WITH THE ILLINOIS STATE FAIR

Rule Changes in Agriculture. The following 11 rule changes are taken from a letter written by O. F. Gaebe, Superintendent of the Junior Department of the Illinois State Fair. It was distributed just shortly before his death, and we had no opportunity to check with him on any additional announcements that should be included in the AIDS.

1. Entries close on Thursday, August 13, 1959.
2. Time of arrival - The Junior Department opens officially on Thursday, August 13. Please do not bring your livestock until that date.
3. Red Poll will be included in the Beef Division and Milking Shorthorn in the Dairy Division. There will be no Dual-Purpose Division.
4. Effective date of ownership for dairy junior yearling heifers (calved between January 1, 1958, and June 30, 1958) is March 1, 1958, or before.
5. Classes for Dorsets have been added in the Purebred Sheep Division.
6. In the Swine Division, the Yorkshire Class has been divided, and classes have been added for "All Other Breeds."
7. Barrows weighing less than 160 pounds or more than 250 pounds are not eligible to be shown except as part of a pen that averages within the limits.
8. Educational exhibit in the Poultry Division has been opened to all members with Poultry or foods projects in which poultry or eggs are used.
9. Classes for welding projects have been added.
10. In handicraft exhibits, classes have been added for stenciling and for photography.
11. A minimum age of 12 years, as of July 1, 1959, is required in those livestock classes where the member is required to be present to exhibit and care for his animal.

Electricity and Welding Exhibits. On Monday morning, March 16, Mr. Strubinger gave me some material relative to the Junior Division of the State Fair which was to be checked with Mr. Gaebe and included in the April issue of the AIDS if he approved it. Because we did not get to check the material with Mr. Gaebe, we are including it as given to us by Mr. Strubinger. When a new superintendent of the Junior Division is named, this material may be subject to change. The information as given to us by Mr. Strubinger is as follows:

> "Electricity and Welding Exhibits." A complete set of rules for the class will appear in the catalog.
>
> Awards for each class are $6, 5, 4, 3, 2, 1, 1, 1,
> 1, 1, 1, 1, 1, 1, 1.

"Classes are as follows:

JC 335 Any lamp made by the member to be used for reading or study.

JC 336 Any outdoor shop or utility light by the member.

JC 337 Any device made by the member to be used to demonstrate the application of electricity in the home and on the farm.

JC 338 Any other electrical device made by the member.

JC 339 Any livestock equipment (farrowing crates, chutes, etc.) welded or made by the member.

JC 340 Any labor saving equipment, elevators, diggers, loaders, etc., welded or made by the members.

JC 341 Any shop equipment, benches, horses, etc., welded or made by the member.

JC 342 Any recreation, home beautification equipment as picnic tables made by the member."

Farm Shop Activity. Last year a class in "Farm Shop Activity" was started as part of the Junior Department of the Illinois State Fair. It was well received and appears again this year with some slight changes. Schools that are interested should submit registration proposals as soon as possible to H. M. Strubinger, 405 Centennial Building, Springfield. Participating groups will be selected on the basis of proposals of activities and evidence indicating ability to make an interesting presentation as indicated in the catalog. M.H.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

HANDBOOK ON SPEECH FOR FUTURE FARMERS. 1959. R. D. Purkey. $4.00. Interstate Printers and Publishers, Inc., Jackson at Van Buren, Danville, Illinois.

A letter announcing the publication stated: "We are sure that you will find this book a timely, lively, and highly valuable instructional aid for Vo-Ag Teachers and FFA Advisors, as well as a real down-to-earth and practical guide for the young Future Farmers for whom it was specifically prepared."

A tear sheet accompanying the letter states: "The book is thorough and comprehensive; it provides not merely background and general principles, but detailed helps for all kinds and types of speaking occasions that may arise. Part One covers the Preparation and Delivery of the Speech; Part Two deals with Special Types of Speaking and of Speaking Situations; and Part Three contains almost 80 pages of Supplementary Material which will be of tremendous value to teacher and student alike." M.H.

ENVIRONMENTAL CONSERVATION. 1959. Raymond F. Dasmann. $6.50. John Wiley & Sons., Inc., 440 - 4th Avenue, New York, New York.

The following information is taken from the preface. "This book grew out of the need for a text written from a biological standpoint, which would take the long view of conservation problems by considering the history of human populations in relation to natural resources, their present predicament, and their future outlook. I waited many years for somebody else to write this textbook. Finally, operating on the principle that 'fools rush in...,' I undertook the job myself, with the hope that I could avoid treading on the toes of those who are better qualified in many of the fields discussed.... This book is intended as a text for a one semester course in conservation at the lower division college level." M.H.

THE SHEEP BOOK. 1959. John McKinney. $4.96. John Wiley & Sons., Inc., 440 - 4th Avenue, New York, New York.

The preface carries a statement addressed to vocational agriculture teachers. The following information is taken from that section. "The author, from years of vo-ag teaching, is quite familiar with the fact that not every student can be successful with sheep. There is no denying it, some students are born with the capacity to give close attention to details--these students have a golden thumb when it comes to sheep.

"Many vo-ag students become farmers and ranchers. Others go out into the farm community to become bankers, lawyers, doctors, teachers, merchants. Therefore, to understand their neighbors' problems along with their own, all vo-ag students might do well to have a working knowledge of the 'animal with the golden hoof.' Furthermore, with the new education that will sweep the country as a result of earth satellites and the exploration of outer space, no phase of science, including sheep husbandry, will go untaught. It is possible that sheep could harbor the secret to existence on satellites or other planets." M.H.

AGRICULTURAL EDUCATION NEWS

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

Correction. In the past issue of the newsletter, H. W. Hannah was indicated as chairman of the new committee of the College of Agriculture on Agricultural Education in the Public Schools. Dean Hannah merely called the committee together; Dr. Frank B. Lanham, head of the Department of Agricultural Engineering, was elected chairman. H.M.H.

National Conference on Agricultural Education. Head state supervisers and teacher-trainers met in Chicago, March 3 to 7. The 4 1/2 days proved to be too short a time to consider adequately the problems--national in scope--which vocational education in agriculture faces. However, it was the longest period during which a large national group of agricultural educators had ever been in session, and the advantages of holding the meeting soon became apparent to all. Only members of the conference were admitted to the sessions, so the discussions were open and frank.

The conference had six subgroups. These subgroups made preliminary reports that were discussed by the members of the conference, each for a quarter of a day. In a later half-day session the reports were revised and extended by the subgroups. The last half-day was devoted to presentation and discussion of the final reports.

All of the reports will be released by the U. S. Office of Education. They will be found unsatisfactory in some respects. Contradictions between subgroup reports were still present when the conference adjourned. At only a few points did the conference break through to new ground. However, these few break throughs may be very significant to the future of vocational education in agriculture.

Perhaps the greatest benefits will come from the effects on the participants in the discussions and arguments. Some of us were shocked by statements made by our colleagues; some of them were evidently as much disturbed by some of our statements. A large measure of agreement was noticeable, however. The group showed maturity that would not have been evident in a national group of agricultural educators meeting 30 years ago in that its members were able to disagree completely and still remain friends.

Although many disagreed with the recommendation, the report of the conference will support high school vocational agriculture for those who conduct satisfactory farming programs if they are preparing for farming or for an occupation other than farming in which experience and training in farming is necessary or advantageous. The conference did not accept for vocational agriculture the responsibility for preparing in high school for agricultural occupations other than farming. It recognized that there should be counseling of high school boys about the opportunities in these occupations and the means of preparing for them. It thought that high school vocational agriculture, at its best, could make important contributions to some students preparing for some occupations other than farming.

One of the recommendations that may have a far-reaching effect over a long period was for the establishment of two committees to investigate the possibilities of a national training center and a national research center or a combined center for training and research in agricultural education. Such a center would parallel the center for personnel in agricultural extension, which has been conducted for several years in cooperation with the University of Wisconsin. Mr. Carl Humphrey, vice president for agriculture of the AVA, will name eight members of each committee, and Dr. W. T. Spanton, Chief in Agricultural Education, U. S. Office of Education, will name one member. H.M.H.

Regional Public Speaking Contest Coming to the University of Illinois. At a regional meeting in Chicago on March 3, it was voted to hold the public speaking contest for the 13 states of the Central Region in connection with the American Institute of Cooperation at the University of Illinois during the week of August 10. H.M.H.

ICEC Meets at Carlinville. The spring meeting of the Illinois Citizens Education Committee will be held at Blackburn College, Carlinville, on April 14. Teachers of vocational agriculture with advisory committees who wish to know more about the broader movement for citizen participation in public education are invited to look in on the meeting. A program for the meeting and luncheon tickets are available through the committee's office, 103 Gregory Hall, Urbana. The price of the tickets is $1.75. The luncheon speaker will be Dr. Glen Snow of Washington, D. C., director of the National School Public Relations Association, a division of the National Education Association. H.M.H.

Personal Items. Dr. G. P. Deyoe recently attended a meeting of the Editorial Board of the American Vocational Journal at Washington, D. C. He is the representative of the Association's Division of Agricultural Education.... Dr. A. H. Krebs will teach for three weeks during the summer at the University of Nebraska. His courses in the four-week summer term will be taught by Dr. Rufus W. Beamer, associate professor of agricultural education, University of Tennessee, who received the Ed.D. degree from the University of Illinois and who recently spent two years in Columbia as a specialist in agricultural education for the International Cooperation Administration, a branch of the United States Department of State.... Edward Breese of Knoxville, who received the B.S. in General Agriculture in June 1958, is the new graduate assistant in the Division of Agricultural Education. H.M.H.

We Lose a Good Friend. Professor Oliver F. Gaebe, associate professor of agricultural 4-H Club work, died on March 16, from a coronary thrombosis. He had been a teacher of vocational agriculture and had kept his interest in vocational agriculture during his long career in 4-H Club work. My last opportunity to talk with him at length was at the dinner in connection with the State F.F.A. Leadership School in January. He was the most friendly of men. He had won a host of friends by his cheerful, constructive, and cooperative attitude toward all with whom he worked and lived. He will be greatly missed. H.M.H.

Extramural Offering in Agricultural Education, Fall 1959. One course in agricultural education will be offered during the fall semester in District II for Sections 6, 7, 8, 9, and 10. This course is Education E477, Field Studies in Agricultural Education, a "problems" course especially designed for teachers of vocational agriculture. (School administrators may enroll.) Each person who enrolls will select and develop a problem in some phase of agricultural education of special concern to him. Eight group meetings of three hours each will start at about 5:00 p.m. These will be scheduled on Wednesday or Thursday nights and will be planned

to be completed by early December. A maximum of two centers will be selected for meetings, depending on the locations of the persons who expect to enroll.

Persons who enroll may earn credit toward a master's degree, or they may be persons who have already obtained a master's degree. The course will provide one-half unit of credit.

This course is offered on a rotational basis in various parts of Illinois and probably will not be available again in northeastern Illinois for four or five years.

Later this spring teachers in the sections indicated in the first paragraph will receive communications about the course. In the meantime, interested persons may write to George P. Deyoe, 103 Gregory Hall. G.P.D.

The Placement Situation. This report covers the period from February 23 to March 16.

Six schools have been reported as having vacancies for the school year beginning July 1, 1959. One school is in need of a teacher immediately.

Placements not given in the last report include the following:

L. M. Prisack - Wolfe Lake

R. E. Rigg - Bunker Hill

Credentials have been activated for approximately 30 inexperienced and 45 experienced teachers. A.H.K.

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

Please send the following, as listed in the April AIDS:

_____Tape Recording--LIQUID FERTILIZERS...$3.50, f.o.b. Urbana

_____Fertilizer sample--set of 12...60 cents, f.o.b. Urbana

_____Soil texture samples--set of 5...40 cents, f.o.b. Urbana

_____Items are to be held for June Conference pick-up.

_____Items are to be shipped. When?_____.

INDEX

March 20, 1959

PRICE LIST OF FEEDS[1]

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 ton in dollars
Corn, bu.	$ 1.09
Corn, ground, bu.	1.16
Oats, bu.	.62
Oats, ground, bu.	.69
Barley (feed), bu.	1.06
Barley, ground, bu.	1.13
Sorghum grain, cwt.	1.87
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	1.50
Whole milk, cwt.	3.00
Corn silage, ton & Sorghum silage	8.00-10.00
Grass silage, ton	
No preservative added	6.00- 8.00
Preserved with 70-100 lb. molasses.	7.00- 9.00
Preserved with 150-200 lb. ground corn.	11.00-13.00
Clover and mixed hay (Add $5 per ton for baled hay and straw.)	22.50
Cowpea hay (Add $5 per ton for baled hay and straw.)	18.50
Soybean hay (Add $5 per ton for baled hay and straw.)	19.50
Alfalfa hay (Add $5 per ton for baled hay and straw.)	25.00
Timothy hay (Add $5 per ton for baled hay and straw.)	21.00
Corn stover, ton.	12.00
Oat straw, ton.	14.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, April 1959

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

Volume 17, Number 10
May 1959

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

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

The 1958-59 school year is almost over and it will soon be time for us to attend the June Conference. Since there will not be a June issue of Vo-Ag AIDS, I want to thank all the sectional chairmen who have contributed news from their sections. The new ideas and activities of the various sections have been worthwhile information for our members.

Our members are to be especially complimented on their willingness to serve when called upon. All of us realize that this involves much time and travel in many instances. The Executive Committee has been most helpful to me since I came into this job with a limited knowledge of what our State Association was doing at the present time.

The officers and staffs of Mr. Damisch, Dr. Hamlin, and Mr. Henderson have enabled our association to operate in a very efficient manner.

I am sure that our next president elected at the June Conference will continue to receive this excellent support during the next year.

As we attempt to project our thinking into the future, it seems very obvious that those of us in the field of agriculture need to work more closely together than ever before. I am sure all of us realize this, which in turn should make our association better in the coming years.

June Conference.

Plans for our annual conference are almost completed. Arrangements are being made to follow the same general plan as last year for the various committees to meet on Monday afternoon, June 8.

Mr. Howard Strubinger is in charge of coordinating the programs for the conference and setting it up for printing. Our time schedule is a tight one since we are including one day of short courses without omitting the tours.

Meeting places and room assignments will be given in the conference program. Our business meeting will be on Tuesday afternoon and each committee chairman will present a short report.

The banquet committee composed of Chairman J. A. Twardock and members K. W. Knell, Kermit Esarey, and Charles Schettler have planned an excellent program for the evening of June 10 at the University Place Christian Church. The speaker will be Hugh Muncie of the Illinois Retail Merchant Association. One of the features, as announced in the last news-letter, is the honoring of those members who have contributed 10-25-30 years to the teaching of vocational agriculture. By this time I hope we have a correct list of all who are eligible for these awards. If in doubt about this, notify Keith McGuire or J. A. Twardock by May 15. Let us all support this excellent annual event by getting a ticket early.

IVA Convention Notes

I wish to congratulate Harold Drake for the worthwhile program that he arranged for our Ag section of the IVA Convention. Thanks to Paul Glaeser and Ralph Guthrie for making arrangements for the educational exhibits. Excellent jobs as recorder and host were done by Arthur Phillips and E. L. Rice.

Following are some announcements that I would like to pass on to those who could not attend the convention in Peoria.

Dr. Hamlin reported on teacher placement and urged that all teachers contemplating changing positions to bring their credentials up to date with the University of Illinois teacher placement bureau. J. W. Matthews asked all agriculture teachers to return the survey sheets on Safety Practices in the Agriculture Shop. He also urged all teachers to bring their welding exhibits to the June Conference. Mr. Damisch reported that we had a 10% increase in young farmer and adult farmer classes this year compared to last year. In addition, Mr. Damisch announced the 1959 AVA convention will be in Chicago and that the IAVAT will meet jointly with the AVA.

Executive Committee Meeting

The Committee met in Peoria March 21 with all members present. I. L. Brakensiek was appointed to fill the vacancy on the Agricultural Education Advisory Committee. Mr. Brakensiek replaces Guy Petty who recently left the agriculture teaching field to become principal of the Carrollton High School. We also discussed the advisability of a committee to work with the new Committee on Agricultural Education in the Public Schools. Many other items of business were discussed and considered in the morning session.

Other Committee Activity

Dean Hannah has invited the IAVAT to send representatives to the next college committee meeting on Preparation for Secondary School Teachers of Agriculture. The purpose of the meeting is to discuss courses offered by the College of Agriculture, the curriculum, and then to determin how a better job may be done. K. W. Knell, Kermit Esarey, and J. A. Twardock plan to represent us at this meeting. We appreciate this invitation from the College and I am sure these men will do a good job representing the thinking of our organization.

Judging Contests

W. H. Witt informs us that he has not received enough entries in either the meat or milk judging contest to hold the contests this year. According to the 1959 Judging Contest Rules such contests will be held only if there are 25 or more schools for each that notify Vocational Agriculture Service by April 15 that they will participate. Eighteen "yes" cards were received for meat and ten for milk, consequently no contest.

NVATA News

Vice-President George Buchanan reports that we now have 1954 members, which is an increase of 74 since the last report.

We are reminded to get in our news article clippings by May 15 so that requests for 30-minute cards may be obtained in time for distribution at our June Conference.

What do you think about employing a full-time executive secretary for our organization? The national officers would like the reaction of the teachers to this suggestion. This would mean an increase in dues. The executive committee feels that this is important if we are to receive the fullest benefit from our organization.

Sectional News

Section 3. Our kindest sympathy to Mr. and Mrs. Charles McKie of Manlius in the loss of their infant son.

Section 17. Kermit Esarey reports that Don Coil of Unity High is to be congratulated for conducting a well planned public speaking contest. All present enjoyed the use of the newly constructed high school building. The Rantoul entry won the memorized speech contest and the extemporaneous contest was won by the Gibson City entrant.

Section 22. Our vice-president, Harold Drake, informs us that they hold monthly meetings. Some of the highlights of these meetings this past season included one with the school administrators. Dr. Phipps helped in a panel discussion about the Allerton House Conference at another session. On April 25, Southern University Ag. Club hosts many of the high schools to a judging contest and farm safety program. A high percentage of the schools have new farm shop facilities. Enrollment remains about steady with the past few years.

VO-AG SERVICE

Announcements & Notes

SPECIAL NOTICE

If you wish to pick up items, (including bulletins, circulars, farm record books and the like) at the time of the June Conference, please send us your order so that it reaches us on or before May 20. We will then try to have your items packaged and ready for pick up from our Building on Florida Avenue.

When ordering items to be held for June Conference pick up, please be sure to indicate. Since there is to be no June issue of the AIDS, this will be the last announcement of this sort made prior to the Conference.

M. H.

No June AIDS. This is to notify those interested to the effect that if our present plans are carried out, this issue of the AIDS will be the last of the current school year. The first issue of the 1959-60 school year will be the one in August.

M. H.

Calendar of Events. The Calendar of Events for the months from September 1959 to August 1960 are now available and copies are being sent to Agricultural Release subscribers with the May Releases. As a result of the recommendations of the teachers, made at the various meetings with representatives of Vocational Agriculture Service, we are again printing the months on only one side of the sheets. In spite of the increased cost, because of the number of sheets used, the price will remain the same--namely, 15 cents, f.o.b. Urbana. Schools not having open accounts should include sufficient payment to cover postage as well as the cost of the item itself.

M. H.

Illinois Research--Volume 1, Number 2. The spring issue of Illinois Research has presumably been mailed to all vocational agriculture teachers on our addressograph list. In an earlier issue of the AIDS, we mentioned that the plans had been made so that copies of this publication as released would automatically be sent to all of our vocational agriculture teachers. If you have failed to receive your copy and are interested in doing so, please notify our office to that affect.

M. H.

Agronomy Facts--Volume I. The Information Office tells us that Volume I of Agronomy Facts is now out of print. So far as we know, no plans are under way for reissuing or revising the releases in the volume. Volumes II, III, IV, and V are stil available.

M. H.

Experiment Field Meetings. Professor L. B. Miller of the Department of Agronomy has asked us to give you the dates and locations of the 1959 experiment field meetings. They are as follows --

Date	Field	County
May 12	Brownstown	Fayette
May 26	Enfield	White
May 27	Raleigh	Saline
May 28	Ewing	Franklin
June 9	West Salem	Edwards
June 10	Newton	Jasper
June 12	Carlinville	Macoupin
June 16	Minonk	Woodford
July 14	Dixon	Lee
July 15	DeKalb	DeKalb
August 31	Oblong	Crawford
September 2	Brownstown	Fayette
September 3	Newton	Jasper
September 3	Hartsburg	Logan
September 4	Toledo	Cumberland
September 4	Joliet & Elwood	Will
September 9	Oquawka	Henderson
September 10	Carthage	Hancock
September 11	Clayton	Adams
September 15	DeKalb	DeKalb
September 17	Kewanee	Henry
September 18	Aledo	Mercer
	Carbondale	Jackson

You are cordially invited to attend any of the meetings. You may also wish to make a special effort to encourage attendance of your students and the farmers of your community.

Most of the meetings are scheduled for the afternoon. Your farm adviser can give you the exact time and additional details.

If you have a relatively large group interested in scheduling a special meeting at one of the experiment fields, contact Professor L. B. Miller, 230 Davenport Hall, Urbana. He has indicated that their staff would be quite willing to work with agriculture teachers in an attempt to schedule meetings for special groups.

E. L. K.

Soil Fertility Demonstrations. Professor S. R. Aldrich of the Department of Agronomy recently sent a letter to vocational agriculture teachers regarding Soil Fertility Demonstrations for 1959. In that letter he invited vocational agriculture teachers to cooperate with the fertilizer industry and the extension service in conducting the 1959 demonstrations. If you failed to receive the letter and are interested in receiving help with fertilizer demonstration plots in your community, contact your farm adviser or Professor S. R. Aldrich, 211 Davenport Hall, Urbana, Illinois for additional details.

E. L. K.

Design for Abundance. Professor W. M. Bever, head of the Department of Plant Pathology, has asked us to announce "Design for Abundance" -- a 23 minute color film recently released by the American Phytopathological Society. It is the story of plant diseases, their prevention and control. Told by a plant pathologist to a neighboring family, its approach is warm, friendly, and non-technical.

If you wish to schedule the film, it may be ordered from Visual Aids Service, University of Illinois, Division of University Extension, Champaign, Illinois.

E. L. K.

Pest Control Guide. A weed and insect pest control guide prepared by the Petroleum Division of the Illinois Farm Supply Company was recently called to our attention. This sliding pocket sized guide gives much helpful information regarding chemical control of insects and weeds in a condensed and convenient form.

Mr. Earl Grossman of the Petroleum Division of the Illinois Farm Supply Company has suggested that teachers interested in obtaining one of these guides contact their local Farm Supply Petroleum Company.

E. L. K.

New Bulletins and Circulars. Since the last issue of the AIDS, we have received Bulletins 641 and 643, and Circular 805 from the Information Office. Copies of Bulletin 643 - Grain Sorghums, 1958 Performance in Illinois - and Circular 805 - Profitable Control of Underground Corn Insects - are being included with the May Agricultural Releases. Copies of Bulletin 641 - Insecticidal Control of Underground Insects of Corn - was not included because of the technical nature of the publication. Copies are available through the regular channels.

M. H.

Circular 718 - Weeds of the North Central States. This publication is now in reserve and even though copies carry a charge, only single copies will be available until further notice. We understand that work is under way on a revision of this particular publication but it may be a year or more before revised copies are available. In the meantime, we understand there are no plans for reprinting the current publication.

M. H.

Display Materials. A committee representing the division of Agricultural Education, the supervisory staff, and Vocational Agriculture Service is attempting to accumulate and disseminate ideas which might prove helpful to teachers in making most effective use of school display facilities such as display cases. According to a recent survey, Illinois teachers reported facilities for displays in almost half of the schools included in the survey but there appeared to be a need for sharing of ideas among teachers.

If you have used a display in your school and would be willing to share it with other teachers, would you bring it to the June conference? The displays need not be elaborate or large, just one which will give another teacher an idea which he might be able to use in his school. Mobiles, models, flannelboard items, laboratory demonstrations, charts, maps or pictures might be included.

In order that we may plan space requirements for the conference, would you please fill out the form on the tear sheet of this issue of the AIDS and sent it to Vocational Agriculture Service on or before May 20?

E. L. K.

Colored Crop Slides -- Set I. We will have a set containing colored slides of the following crops:

1. Alfalfa
2. Red Clover
3. Alsike Clover
4. White Clover
5. Birdsfoot Trefoil
6. Crimson Clover
7. Vetch
8. Bromegrass
9. Orchard Grass
10. Timothy
11. Kentucky Bluegrass
12. Redtop

Most of these slides are of single crop plants. Some are of colored drawings and some are of actual plants. A syllabus describing each crop will be included with each set.

Vocational Agriculture Service will accept orders for this set of 12 slides through June 30, 1959. At that time we will make up a composite order and have the necessary number of sets made up for distribution.

The exact cost will depend at least partly on the total number of sets ordered by June 30. Based on the cost of previous slide sets we expect the cost to be between $2.50 and $3.00 per set.

You may order this slide set at the time of the June Conference or you may use the tear sheet included with this issue of the AIDS.

E. L. K.

Agricultural Engineering, 331, Function, Application, Adjustment and Management of Farm Machinery. This course was originally scheduled to be taught as an extramural course in the Olney-Louisville area, but will not be held this year due to insufficient enrollment. However, it will be taught on campus during the first four weeks of the summer session

This course can be offered extramurrally on a "first-come, first-serve" basis for 1960, if the area initiating the request can meet the minimum enrollment requirement of 15 students.

W. E. B. -M. H.

Agronomy Day. The 1959 Agronomy Day is June 24 at the Agronomy South Farm, Urbana. This is the day after the State FFA Judging Contest. Why not consider staying over with your students and attending Agronomy Day?

E. L. K.

Teacher Tenure in Illinois. J. A. Twardock, vocational agriculture instructor of Champaign, Illinois, has given us the following tenure record for the teachers indicated. If there are additions or corrections to the list, we trust that you will notify Mr. Twardock at once.

NAME	SCHOOL	ADDRESS	NO. OF YEARS
Robert Brown	DeKalb Comm.	DeKalb	10
William M. Bullard	Morrisonville Comm.	Morrisonville	10
Kenneth J. Condit	LowPoint-Washburn Comm.	Washburn	10
Clarence Cox	Grayville Comm.	Grayville	10
Frank Crawford	Roanoke Comm.	Roanoke	10
Joseph L. DeGulie	Coal City Twp.	Coal City	10
Donald Dillow	Dieterich Comm.	Dieterich	10

NAME	SCHOOL	ADDRESS	NO. OF YEARS
Vergil Gregg	Westfield Twp.	Westfield	10
Paul Hillis	Litchfield Comm.	Litchfield	10
Frank Hinton	Valmeyer Comm.	Valmeyer	10
Robert E. Lenz	Varna	Varna	9-1/2
Stanley G. Magnuson	Somonauk Comm.	Somonauk	10
Carl McCausland	Lewistown Comm. Unit	Lewistown	9-1/2
Milton Renaud	Metropolis Comm.	Metropolis	10
George Richter	Newark Comm.	Newark	10-1/2
Ernest Sancken	El Paso Comm.	El Paso	10
Clifford J. Sichta	Lanark Comm.	Lanark	10
David Sistler	Arthur Comm.	Arthur	10
Richard Smith	Paris	Paris	10
Calvin Threlkeld	Hittle Twp.	Armington	9-1/2
Harold Vance	Fulton Comm.	Fulton	10
R. Glenn Willard	Griggsville Comm.	Griggsville	10
James Bond	Galatia Comm.	Galatia	20
Robert L. Emmons	Chrisman Comm. Unit	Chrisman	20
George O. Irvine	Tonica Comm.	Tonica	20
William H. Lubben	Gilman Comm.	Gilman	20
Joseph McGann	Danvers Comm.	Danvers	20
A. W. Schmidt	Alden-Hebron	Hebron	20
Frank Young	Washington Comm.	Washington	20
Phillip E. Gill	Carlyle Comm. Unit	Carlyle	25
Melvin J. Nicol	Maroa Comm. Unit	Maroa	26
Melvin Stengel	Chadwick Comm.	Chadwick	25
Clifton E. Wick	Pearl City Comm.	Pearl City	25
Kenneth Diehl	Shelbyville Comm. Unit	Shelbyville	26
Clarence Hanover	Warrensburg Comm. Unit	Warrensburg	26.4
E. E. Mayhew	Bloom Twp.	Chicago Heights	26
Claude Nelson	Stronghurst Comm.	Stronghurst	26
Wayne M. Rich	Manteno Comm. Unit	Manteno	26
W. C. Brokaw	Geneseo Senior High	Geneseo	27
V. A. Green	Schuyler County Comm. Unit	Rushville	27
Nelson P. Roberts	Arcola Comm. Unit	Arcola	27
Gilbert D. Clem	Warren Twp.	Gurnee	28-1/2
Burl A. Hocking	Central Comm. Unit	Robinson	28
Edwin Thompson	Thompsonville Comm.	Thompsonville	28
E. J. Thompson	Harrisburg Twp.	Harrisburg	28
Howard D. Allison	Atkinson Comm. Unit	Atkinson	29
P. H. Daigh	Lebanon Comm.	Lebanon	29
Duane Gregory	Sherrard Comm. Unit	Sherrard	29
M. L. Lindsay	Prophetstown Comm.	Prophetstown	29
Irving Nelson	Cerro Gordo Comm. Unit	Cerro Gordo	29-1/2
A. E. Foster	Kaneland Comm. Unit	Maple Park	30
Don B. Pence	Rankin Twp.	Rankin	30
M. G. Roberts	Genoa-Kingston Comm. Unit	Genoa	30
William Stumm	Pleasant Plains Comm. Unit	Pleasant Plains	30

AGRICULTURAL EDUCATION NEWS

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

Information About Recent High School Graduates Who Took Vocational Agriculture. We hear and read much these days about the subjects students "should take" in high school. Much of this discussion is taking place with inadequate information about recent graduates from high school and the subjects they took in high school. A special study under way in the Division of Agricultural Education should provide some of the facts of life about 1957 graduates who took vocational agriculture in a sample group of high schools in Illinois. How many semesters did these persons have in the academic fields of English, mathematics, science, social studies, and foreign languages, and how many in non-academic fields? How many went to college? What did the others do the first year out of high school? How extensively did these graduates participate in extra-class activities and to what extent did they rise to leadership positions in these activities. How do the subjects taken, attendance at college, etc., differ among groups classified as to I.Q., rank in class, and grade-point averages? Some answers to these and other questions will be secured in the study. Information of these kinds should be helpful to teachers of vocational agriculture and others who have the opportunity to counsel students in vocational agriculture. It is anticipated that the study will be completed by late summer or early fall.

What Types of Guidance Do Teachers of Vocational Agriculture Provide for Education in Colleges and Universities? Many teachers of vocational agriculture recognize that increasing percentages of high school students who take vocational agriculture are continuing their education in colleges and universities. As a part of a comprehensive study on adjustments in local programs of vocational agriculture now nearing completion in the Division of Agricultural Education, teachers of vocational agriculture in selected departments in Illinois were asked to indicate the ways in which they have provided guidance for students who may enroll in colleges or universities. Frequently mentioned were (1) helping students to apply for scholarships, (2) helping students who are taking vocational agriculture in high school to plan programs of subjects suitable for college entrance, (3) visiting college campuses with students, (4) providing information on job opportunities in agriculture for college-educated persons, (5) providing information about various colleges and universities, (6) counselling students, and (7) arranging for college students to talk to seniors in vocational agriculture. Several teachers mentioned that these and other guidance activities were coordinated with the guidance and counselling services provided elsewhere in the schools.

G. P. D.

Fellowships to Majors in Agricultural Education. The Graduate College has awarded fellowships for 1959-60 to two graduate students whose major interest is in agricultural education: Richard Fairgrieves, of Belvidere, Illinois, who will be graduated in June, 1959, from the curriculum in general agriculture with a major in vocational agriculture, and James Warmbrod, Teacher of Vocational Agriculture at Belvidere, Tennessee. The fellowships require no work, pay $1500, and provide free tuition.

H. M. H.

Alpha Gamma Rho Scholarship. A form for applying for a $200 scholarship awarded by the national organization of Alpha Gamma Rho to FFA boys who wish to enroll in a college of agriculture in the fall of 1959 is available from the Division of Agricultural Education.

H. M. H.

Visitors from Italy. Three administrators from the University of Padua will visit the University April 24 to 27 to study agricultural and industrial education. At their university, they are the Dean of the Teacher Training College, the Principal of the Professional Institute for Agriculture, and the Principal of the Marconi Technical and Industrial Institute. Arrangements for their visit are being made by the Division of Agricultural Education.

HM. H.

Trip to Study Vocational and Technical Education. Four members of the group studying the financing of vocational education in Illinois will spend nine days on a trip to Connecticut, New Jersey, and New York in early May. Vocational and technical schools and state departments of education will be visited. The members of the group are W. P. McLure, George C. Mann, M. Ray Karnes, and H. M. Hamlin.

H. M. H.

Juniors Visit a School System. As a regular part of their work in Education 240, juniors who are preparing to teach vocational agriculture visit a school system and meet with the people who are principally responsible for it. Their trip for the spring semester was to the ABL Community Unit District. There they met with the entire board of education, four administrators, and a number of the teachers. They secured information regarding such questions as the following:

Is there organized, written school policy? How is it made?

Who are served by the school system?

What public purposes are served? How does the public decide whether its purposes are served?

How is the school system organized and administered?

How is an adequate staff acquired and held?

How is the school program planned?

What are the sources of funds? Are the funds adequate?

How satisfactory are the facilities: buildings, equipment, library, teaching aids?

What are the long-term plans for improving the school system and its services to the public?

The course is designed to enable prospective teachers to understand and fit into a school system.

H. M. H.

Placement Situation. This report covers the period from the last newsletter to April 15.

Seven schools have requested assistance in securing a new teacher of vocational agriculture for the coming year. Several other schools have been "unofficially" reported as having vacancies but have not yet requested assistance from the placement service.

Two positions have been filled since the last report. Donald Youngkin has been employed at Lincoln; Russell Saueressig has been employed at Thomson.

There are approximately 28 inexperienced teachers and 50 experienced teachers who have requested assistance from the placement service. Eight of the experienced men are not now employed as teachers.

This is the busy period for the Placement Office. Teachers activating credentials should expect that it will take longer for the Placement Office to get credentials typed and ready for use.

A. H. K.

Cooperating Schools in National Young Farmer Study. A national study of young farmer instruction is to be conducted in 1959-60 and 1960-61. The purpose of this study is to evaluate procedures and practices theoretically associated with successful young farmer education in Illinois. The following schools in Illinois are serving as trial or pilot centers for the national young farmer study:

Section 1
Pearl City
Freeport

Section 2
Dixon
Sterling

Section 3
Buda
Taylor Ridge

Section 4
Williamsfield

Section 5
Brimfield
Princeville

Section 6
Marengo
Poplar Grove

Section 7
Kaneville (Maple Park)
DeKalb

Section 8
Earlville
Newark

Section 9
Chatsworth
Cullom

Section 10
Sheldon

Section 11
Bushnell
Macomb

Section 12
Lewistown
Manito
Tremont

Section 13
Virginia
Griggsville

Section 14
Williamsville

Section 15
Carlinville
Brussels

Section 16
Farmer City

Section 17
Mahomet
Paxton
Tuscola

Section 18
Catlin
Oakwood (Fithian)

Section 19
Raymond

Section 20
Oblong
Mattoon

Section 21
Altamont
Brownstown

Section 22
Waterloo
Nashville

Section 23
Bridgeport
Lawrenceville

Section 24
Sesser
West Frankfort

Section 25
Eldorado

Please include a set of the 12 crop slides for the undersigned when making up the composite order to be sent about June 30. I understand that these will probably cost between $2.50 and $3.00 per set, f.o.b. Urbana.

_____ _____

Teacher Address

****

I am willing to share ideas with other teachers regarding displays that might be made. Consequently, I will plan to bring a display to the June Conference. The display will require about _____ square ft. of table space. The display might be described as:

_____

_____

_____

_____

_____

_____ _____

Teacher Address

****

_____ Calendar of Events @ .15 ea.

INDEX

April 20, 1959

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Barley, ground, bu	1.15
Sorghum grain, cwt	1.90
Garbage and kitchen waste, ton	8.00
Skim and buttermilk, cwt	1.50
Whole milk, cwt	3.00
Corn silage, ton & Sorghum silage	8.00-10.00
Grass silage, ton	
No preservative added	6.00-8.00
Preserved with 70-100 lb. molasses	7.00-9.00
Preserved with 150-200 lb. ground corn	11.00-13.00
Clover and mixed hay)	23.00
Cowpea hay) Add 5¢ per ton	19.00
Soybean hay) for baled hay	20.00
Alfalfa hay) and straw	26.00
Tomothy hay)	21.00
Corn stover, ton	12.00
Oat straw, ton	14.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6¢ per head per day
Calves and colts, 12 to 24 months old, 8¢ per head per day
Cattle, 24 months and older, 13¢ per head per day
Pigs, 50 to 100 pounds 1/4¢ per head per day
Lambs up to weaning, 1¢ per head per day
Sheep or lambs after weaning, 2-1/2¢ per head per day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois

AIDS, May 1959

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

Volume 18, Number 1

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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 NOTICES

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 1959-60 school year. Cards should reach our office by August 15 if you wish to be certain of receiving all copies during the remainder of the school year.

Cards are not being sent to vocational agriculture instructors in Illinois. Information from our joint-staff meetings enables us to keep that list up to date without the need for these teachers to contact our office.

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For several years the August issue of the AIDS has contained a list of items available from Vocational Agriculture Service as of August 1. This issue carries no such list. Our Spring Catalog, sent to all vocational agriculture teachers in Illinois, contained an up-to-date list. This issue of the AIDS includes a supplement to the Spring Catalog which brings it up to date on items available from Vocational Agriculture Service.

We still have some copies of the Spring Catalog and will send one free on request so long as the supply permits.

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The following pages list those who, as of July 20, according to our records have ordered Agricultural Releases, units to be released, tapes of the month, and slidefilms to be released for 1959-60. If this list is incorrect or incomplete in any way, please notify us at once.

IF YOU WISH TO ORDER ANY OF THE ITEMS REFERRED TO AND YOU HAVE NOT DONE SO, PLEASE REMEMBER THAT THE DEADLINE DATE IS SEPTEMBER 1, 1959.

LIST OF THOSE ORDERING AGRICULTURAL RELEASES, UNITS TO BE RELEASED, TAPES OF THE MONTH, AND SLIDEFILMS FOR THE 1959-60 SCHOOL YEAR

Name of School	Name of Teacher	Items Ordered			
		U	AR	T	SF*
Albion H. S.	H. C. Hendren	12	X		
Aledo Com. Unit H. S.	F. A. Schaper	15	X		
Aledo Com. Unit H. S.	William Marshall		X		
Aledo Com. Unit H. S.	Alan Ricketts		X		
Alexis Com. Unit H. S.	Gordon Combs	10	X		X
Allendale Com. Cons. H. S.	Ernest F. Anderson	10	X		
Altamont Com. Unit H. S.	Jewell Jenne	15	X		X
Alton (Personal)	Paul J. Glaeser		X		
Amboy Com. Unit H. S.	Albert Tieken		X		
Annawan Com. Unit H. S.	Ronald L. Deininger	10	X		
Arcola Com. Unit H. S.	Nelson P. Roberts	10	X		
Arthur Com. Unit H. S.	David Sistler		X		X
Ashland Com. Unit H. S.	Neal J. Coyle	10	X		
Ashley Township H. S.	James C. Griffith	10	X		
Ashley Township H. S. (Hoyleton)	Martin H. Schaeffer		X		
Ashley Township H. S. (Oakdale)	Maurice Dahncke		X		
Ashley Township H. S. (Richview)	Glenn Haun		X		
Ashton Com. Unit H. S.	H. J. McPheron		X		
Assumption Com. Unit H. S.	R. E. Dagner	10	X		
Astoria Com. Unit H. S.	Donald Hopwood	10	X		
Atlanta Com. H. S.	Harold Elliott	15	X	X	X
Auburn Com. Unit H. S.	M. V. Heiderscheid	10	X		X
Augusta Com. Unit H. S.	Arthur L. Eicken	14	X		
Aviston Com. H. S.	Leon E. Luber	10	AR		X
Beason Com. H. S.	Dorr L. Simer	15	X		
Belleville Twp. H. S.	Daniel Wolford	10	X		
Bellflower Twp. H. S.	Gordon Bidner		X		
Belvidere Com. Unit H. S.	Loren Mills		X		
Benton Cons. H. S.	Bernard L. Finley	10	X		X
Bethany Com. Unit H. S.	E. L. Bosomworth	15	X		X
Bismarck Twp. H. S.	Billy Lee Rich	10	X		
Bluffs Com. Unit H. S.	Bernard Goetze	10	X	X	
Webber Twp. H. S. (Bluford)	C. M. Gowler		X		
Bradford Twp. H. S.	Eldon E. Witt		X		
Reed-Custer Twp. H. S. (Braidwood)	Dale McConville		X		
Bridgeport Twp. H. S.	John C. Baker	10	X		X
Brimfield Com. Unit H. S.	Frank Petersen	15	X		
ABL Com. Unit H. S. (Broadlands)	B. R. Littlefield		X		
Brocton H. S.	H. Dean Jensen	10	X		X
Brownstown Com. Unit H. S.	Max Grinnell	20	X		
Brussels Com. H. S.	Wm. A. Fortschneider	10	X	X	X
Buckley-Loda C.U.H.S.	Robert L. Alexander		X		
Buda Twp. H. S.	Merle Horwedel	10	X		

*U -- Number of units ordered
AR -- Agricultural Releases
T -- Tape of the month
SF -- Slidefilms on advance order

Name of School	Name of Teacher	Items Ordered			
		U	AR	T	SF
Tri-City Com. H. S. (Buffalo)	James W. Bliler	10			
Bushnell-Prairie City Com. H. S.	William R. Thornton	10	X		X
Cambridge Com. Unit H. S.	Allan Utech	10	X		X
Trico Com. Unit H. S. (Campbell Hill)	Albert C. Schutte		X		
Canton Senior H. S.	Fred S. Russell, Jr.	10	X	X	X
Carbondale Com. H. S.	Glen E. Diamond		X		
Carlinville Com. Unit H. S.	Stanley Kalus		X	X	X
Carlyle Com. Unit H. S.	Phillip E. Gill	25	X		X
Carmi Twp. H. S.	Ernest O. Johnson	10	X		
Carrollton Com. Unit H. S.	John A. Dickson		X		
Carthage Com. H. S.	Benjamin F. Schroder	10			
Cave-in-Rock Com. H. S.	William J. Lewis	10	X	X	X
Cerro Gordo Com. Unit H. S.	Irving Nelson	15	X	X	X
Champaign Senior H. S.	J. A. Twardock	12	X	X	X
Charleston Com. Unit H. S.	J. W. Berger		X		
Glenwood Com. Unit H. S. (Chatham)	Richard Bast	10	X		
Chatsworth Com. Unit H. S.	Marlin Meyer	15	X		X
Chenoa National Bank	R. J. Walker		X		
Chester Com. Unit H. S.	Charles R. Best	10	X		
Cisne Com. H. S.	Gerald R. Miller	12	X	X	X
Cissna Park Com. Unit H. S.	Roland W. Meyer	20	X	X	X
Clay City Com. H. S.	Loren H. Petty	12	X		X
Central Com. Unit H. S. (Clifton)	M. L. Boudreau		X		
Coal City Twp. H. S.	Joseph L. DeGulie		X		
Colchester Com. Unit H. S.	Wayne L. Kern		X		
Colusa Com. Cons. H. S.	James L. O'Hara	10	X		
Cornell Com. H. S.	Daren L. Cox	10	X		X
Cuba Com. Unit H. S.	Maurice Wilhoit	15	X		X
Cullom Com. H. S.	Everett Sandusky	10	X		
Dahlgren Com. H. S.	Gordon Adamson		X		
Dallas City Com. H. S.	James A. Webb	10	X		
Danvers Com. Unit H. S.	Joseph McGann		X		
DeKalb Com. Unit H. S.	Robert Brown	10	X	X	X
DeLand-Weldon Senior H. S.	Lawrence Gregory	12	X		X
Delavan Com. Unit H. S.	A. T. Martin		X	X	
Dieterich Com. Unit H. S.	Donald D. Dillow	20	X		
Dixon H. S.	William Gaither, Jr.		X		
Donovan Com. Unit H. S.	M. D. Schlieper	12	X		X
Dunlap Twp. H. S.	Rothell D. Buzzard	10	X		
Dwight Twp. H. S.	F. H. Van Dyke	10	X		
Earlville Com. H. S.	S. Stuart Montooth	16	X		
Easton Com. Unit H. S.	Max S. Tessier	10	X		
Edinburg Com. Unit H. S.	L. E. Hunsley	10	X		
Edwardsville Com. Unit H. S.	Chester Seibert	20	X		X
Eldorado Twp. H. S.	H. S. Bishop	10	X		X
Elizabeth Com. Unit H. S.	Arthur Johnson	10	X	X	X
Elkhart Com. H. S.	Eldon Behle	15	X	X	
Enfield Com. Unit H. S.	Peter E. Thomas	10	X		
Erie Com. H. S.	Floyd Wohrley	15	X	X	X
Fairbury-Cropsey C.U.H.S.	Clifford Yoder		X		
Fairfield Com. H. S.	Herman T. McDonald		X		

Name of School	Name of Teacher	Items Ordered U	AR	T	SF
Spoon River Valley H. S. (Fairview)	Charles L. Harn	12	X		X
Farmer City Com. Unit H. S.	Gene Elliott		X		
Farmington Com. H. S.	Stephen Kingry	15	X		
Findlay Com. Unit H. S.	Gordon Reichert	15	X		X
Oakwood Twp. H. S.	Williford Hockett	15	X		
Flanagan Com. Unit H. S.	Howard E. Cotter		X		
Forrest Com. Unit H. S.	Gayle W. Wright	15	X		
Forreston Com. H. S.	Dean K. Finch	10	X		X
Franklin Com. Unit H. S.	James R. Brim	12	X		
Franklin Grove H. S.	LaVerne Baker	10	X		X
Freeburg Com. H. S.	William Lee Hull		X		
Freeport Senior H. S.	V. M. Bokemeier	20	X		
Freeport (Personal)	Thomas Frey		X		
Galatia Com. H. S.	James Bond		X		
Galesburg Senior H. S.	Ray Dunn		X		
Galva Com. Unit H. S.	Wilbur Liehr	10	X		X
Geneseo Senior H. S.	W. C. Brokaw	10	X		X
Geneseo Senior H. S.	Paul Chaney	10	X		
Genoa-Kingston C. U. H. S.	M. G. Roberts		X		
Georgetown Twp. H. S.	Robert Hopping		X		
Gillespie Com. Unit H. S.	Durward Stanislawsky	10	X		X
Girard Com. Unit H. S.	Ralph T. Gregory	10			
Pope County Com. H. S. (Golconda)	Herman Adkerson	10	X		
Mississippi Valley (Gorham)	Charles Raglin		X		
Grant Park Com. H. S.	Clark Jenkins		X		X
Greenview Com. Unit H. S.	C. N. DeHart	10	X		
Greenville C. U. H. S.	Carl S. Brock	20	X	X	X
Griggsville Com. U. H. S.	R. Glenn Willard	12	X		
Warren Twp. H. S. (Gurnee)	Gilbert D. Clem		X		X
Calhoun C. U. H. S. (Hardin)	Chester E. Knight	13	X		
Hartsburg-Emden C. U. H. S.	R. O. Polley	10	X	X	X
Havana Com. H. S.	William Renoud		X		
Alden-Hebron Com. H. S. (Hebron)	A. W. Schmidt		X	X	
Hennepin Twp. H. S.	Virgil Foster	10	X		
Henry-Senachwine Com. H. S. (Henry)	Roger Courson	10	X		
Herscher Com. Unit H. S.	Eldon Chapman	20	X		
Heyworth Com. Unit H. S.	Virgil Butler	10	X		
Hillsboro Com. H. S.	Paul Helms	20	X		
Hoopeston John Greer Senior H. S.	Richard Ramsden		X		
Huntley Com. Cons. H. S.	Donald C. Barrett	15	X		
Illiopolis Com. Unit H. S.	Dwight Mobley	10	X		
Southeastern C. U. H. S. (Industry)	Ralph Harmon	16	X		
Jersey County C. U. H. S. (Jerseyville)	Paul Carey		X		
Joppa Com. H. S.	Cletus Jones	10	X		X
Joy Com. H. S.	Maynard Gerber		X		
Kempton Com. Unit H. S.	Joseph V. Griffin		X	X	
Kewanee Com. Unit H. S.	James Golby		X	X	X
Wethersfield C. U. H. S. (Kewanee)	Howard L. Perry	10	X		
West Pike Com. Unit H. S. (Kinderhook)	Victor Funk	10	X	X	X
Kinmundy Com. H. S.	Jerald E. Binkley	18	X	X	X
Kirkwood Com. H. S.	Harold Huber	10	X		X

Name of School	Name of Teacher	Items Ordered U	AR	T	SF
Knoxville Com. Unit H. S.	James H. Litchfield	15	X	X	X
LaMoille Com. H. S.	Harlan G. Ehman	12	X		
Lanark Com. H. S.	Clifford J. Sichta	10	X		X
Lawrenceville Twp. H. S.	Jesse Keyser	20	X		
Leaf River Com. H. S.	W. C. Asbury	12	X		
Lebanon Com. H. S.	P. H. Daigh	20			X
Leland Com. H. S.	S. J. Fleming	10	X		X
Lena-Winslow C. U. H. S.	Carl L. Miller	20	X	X	
Lexington Com. Unit H. S.	Terry Busch	12	X		
Lexington (Personal) R. R. #1	W. G. Cox Company		X		
Little York Com. H. S.	Instructor	15	X		
Little York (Personal)	Dean Keithley		X		
North Clay Com. H. S. (Louisville)	John Bishop		X	X	
Deer Creek-Mackinaw Com. H. S. (Mackinaw)	Emerson C. Moore	10	X		
Macomb Com. Unit H. S.	Burdette Graham	15	X	X	X
Macomb (Farm Bureau)	Thomas E. Fitzsimmons		X		
Mahomet Com. Unit H. S.	Kenneth W. Knell	10	X		X
Malta Twp. H. S.	Charles Morine	10	X		
Manlius Com. Unit H. S.	Charles McKie	10	X		
Manteno Com. Unit H. S.	Wayne M. Rich	12	X		X
Kaneland C. U. H. S. (Maple Park)	Thomas W. Anderson		X		
Marengo Com. H. S.	Lester Finder	15	X		X
Maroa Com. Unit H. S.	Melvin J. Nicol	17	X		X
Marseilles H. S.	James R. Savage		X		
Marshall Com. Unit H. S.	W. T. Spittler	10	X	X	X
Martinsville Com. Unit H. S.	John Beaty		X		
Mascoutah Com. H. S.	P. H. Daigh	25	X		X
Mason City Com. H. S.	Eschol N. Gates	15	X		
Mattoon Senior H. S.	Wayne Ewbank	10	X		
Mazon Twp. H. S.	Kenneth Mennemeier		X		
McLean Com. Unit H. S.	Elbert McIntire	10	X		
Melvin-Sibley C. U. H. S.	R. Donald Bateman	12	X		
Mendon Com. Unit H. S.	Russell Lewis	24	X		X
Mendota Twp. H. S.	Fred H. Morris	20	X		
Metamora Twp. H. S.	Lawrence L. Jones	15	X	X	
Young America H. S. (Metcalf)	Banta Bundy	15	X		X
Middletown Com. H. S.	Oscar Ingram		X		
Milledgeville C. U. H. S.	John Hutchings	10	X		
East Pike H. S. (Milton)	Charles Ferguson	10	X		
Minier Com. H. S.	John C. Esarey	12	X		
Momence Com. Unit H. S.	L. N. Patton	10	X		
Warren County All-Rural (Monmouth)	Eldon Aupperle	12	X		X
Monticello Com. Unit H. S.	N. J. Smith		X		
Morrisonville C. U. H. S.	William M. Bullard	12	X		X
Morton Twp. H. S.	David Hager, Jr.	10	X		
Mt. Auburn C. U. H. S.	Willis McKinney	10	X		X
Mt. Carroll Com. H. S.	Elmer Gerlach	12	X		
Mt. Morris Com. H. S.	Melvin Burkhalter		X		
Mt. Vernon Twp. H. S.	Carl Gaston	20	X		
Mt. Zion C. U. H. S.	W. E. Bucy	10	X		
Moweaqua Com. Unit H. S.	Howard C. Knight		X		
Mulberry Grove C. U. H. S.	Richard M. Lowe	15	X	X	X

Name of School	Name of Teacher	Items Ordered			
		U	AR	T	SF
Nashville Com. H. S.	William D. Clapp	10	X	X	X
Neoga Com. Unit H. S.	James L. Leming	15	X		X
Newark Com. H. S.	George Richter	10	X	X	X
New Berlin Com. Unit H. S.	Edward Molitoris	10	X	X	X
New Holland Com. H. S.	John L. Sapp		X		
Newman Com. Unit H. S.	Edgar Gaskill	10	X		
Norris City-Omaha C. U. H. S.	Jerry Kuykendall	20	X		
Oakland Com. Unit H. S.	Ernest R. Lamkey	12	X	X	X
Oblong Twp. H. S.	Carl E. Chapman		X		X
Ogden Com. H. S.	John Terwilliger	10	X		
East Richland C. U. H. S.	L. T. Clark		X	X	
East Richland C. U. H. S.	A. Lee Shafer	30	X		X
Orangeville C. U. H. S.	Thomas Daley	15	X		X
Oregon Com. H. S.	Warren E. Schmidt	10	X		
Ottawa Twp. H. S.	Kenneth Anderson	20	X		X
Northwestern C. U. H. S.	David I. Gates	18	X		
Paris H. S.	Richard Smith	20	X		X
Pawnee Com. Unit H. S.	Brownie Berry		X		
Paxton Com. Unit H. S.	Robert L. Rohlfing	15	X		
Pearl City C. U. H. S.	Clifton E. Wick	10	X		
Pecatonica Com. Unit H. S.	Ronald Welling	12	X		
Pekin Com. H. S.	W. H. Dowell	15	X	X	X
Peotone Com. Unit H. S.	Gordon Sarb	12	X	X	
Petersburg Com. Unit H. S.	M. J. Worthington	15	X		
Pinckneyville Com. H. S.	Louis Templeton		X		
Piper City Com. H. S.	Harold A. Warner	12	X		
Pittsfield Com. Unit H. S.	Charles I. Fisher	10	X		X
Plainfield Com. Cons. H. S.	W. I. Bidner	22	X	X	X
Pleasant Hill C. U. H. S.	Willis E. Woods		X		
Peru-St. Bede Academy	Rev. Gorman	20	X	X	
Plymouth Com. Cons. H. S.	Lowell Akers	10	X		
North Boone Cons. H. S. (Poplar Grove)	Philip Brown	15	X		X
Potomac Twp. H. S.	E. A. Crump		X		
Princeton Twp. H. S.	Gale V. Gossett	14	X		
Bureau Twp. H. S. (Princeton)	Tom Gillingham	1	X		
Princeville Com. H. S.	E. L. Rice	20	X		X
Princeville (Personal)	Dana Stewart		X		
Prophetstown Com. H. S.	M. L. Lindsay	30	X		
Quincy Senior H. S.	I. L. Brakensiek		X		
Raymond High School	William A. Doerr		X		
R. U. C. E. Com. Unit H. S. (Reddick)	Myron Langhorst	10	X		X
Richmond-Burton Com. H. S.	Anton Haraldsen	20	X		
Ridge Farm Twp. H. S.	Jack Taylor	10	X		
Roanoke C. U. H. S.	Frank Crawford	10	X		X
Rochelle Twp. H. S.	Glenn Curl		X		
Rochelle Twp. H. S.	K. E. Wehner	18	X		
Ho-No-Ne-Gah Com. H. S. (Rockton)	Irving M. Huggins	12	X		
Roseville Com. Unit H. S.	B. A. Tomlin	10	X		
Rossville Com. Cons. H. S.	John Hunt	12	X		
St. Charles Com. Unit H. S.	William G. Marshall	15	X	X	X
St. Jacob H. S.	Delmer D. Launius		X		

Name of School	Name of Teacher	Items Ordered U	AR	T	SF
St. Joseph Com. H. S.	Kermit E. Esarey	17	X	X	X
Salem Com. H. S.	R. H. Williams	25	X		
Sandwich Com. H. S.	William Hancock		X		
Saybrook-Arrowsmith H. S. (Saybrook)	Albert Bain		X		
Scottland Com. H. S.	Larry D. Collom	10	X		
Seneca Twp. H. S.	Sherwood Jackson	25	X	X	
Serena Com. H. S.	Robert V. Jurgens	20	X		X
Shabbona Com. Unit H. S.	Robert C. Iftner	Open account			
Sheldon (Personal)	D. O. Lindholm		X		
Northwestern H. S. (Sciota)	Kenneth Stevens		X		X
Shannon Com. H. S.	John E. Shields, Jr.		X		
Shelbyville Com. Unit H. S.	Kenneth Diehl	20	X		
Sherrard Com. Unit H. S.	Duane Gregory	12	X		
Jamaica Cons. H. S. (Sidell)	Ross Zumwalt	10	X		X
Somonauk Com. H. S.	Stanley G. Magnuson	12	X		X
Sparland Com. Unit H. S.	Charles R. Pearson	10	X		
Springfield Senior H. S.	C. A. Armstrong		X		
Springfield National Bank	Robert Summers		X		
Springfield-Primm Farm Mgt. Serv.	H. M. Primm		X		
Spring Valley-Hall Twp. H. S.	Charles C. Bain	10	X		
Stanford Com. H. S.	Robert Davis	10	X		X
Steeleville Com. Unit H. S.	Glenn Webb		X		
Sterling Twp. H. S.	Arthur L. Schick	10	X		
Stillman Valley Com. H. S.	D. A. Parish	16	X		X
Stockton Com. Unit H. S.	Floyd Lankenau	15	X		X
Stockton Com. Unit H. S.	Arnold Wood		X		
Stonington Com. Unit H. S.	Dale L. Barthel, Jr.	12	X		
Streator Twp. H. S.	Walter Baysinger	20	X		X
Streator Twp. H. S.	Walter Baysinger (Vet)		X		
Woodland C. U. H. S. (Streator, RR2)	Fred Anderson	10	X		
Sullivan Com. Unit H. S.	Edward J. Dunphy	20	X		
Sycamore Com. Unit H. S.	Robert Howey	10	X		
V. I. T. Com. Unit H. S. (Table Grove)	Ralph Hunter	15	X		
Teutopolis Com. Unit H. S.	Leon A. Mayer	10	X		
Cumberland C. U. H. S. (Toledo)	Robert Coots	23	X		
Tonica Com. H. S.	George O. Irvine	15	X	X	X
Tremont Com. Unit H. S.	Samuel Wegman		X		
Ullin H. S.	Leland Wells	10	X		X
Valmeyer Com. Unit H. S.	Frank Hinton	10	X		
Vandalia Com. Unit H. S.	Robert E. Murphy	15	X		
Verna H. S.	Robert E. Lenz	15	X		X
Vienna Twp. H. S.	Jack F. Shetler	20	X		X
Villa Grove C. U. H. S.	W. H. Farrell	21	X		
Viola Senior H. S.	Franklin Royster	15	X		
Virden Com. Unit H. S.	James E. Corgan		X		
Walnut Com. H. S.	Dale Baxter	10	X		
Waltonville Com. H. S.	James T. Lipe	20	X	X	X
Warsaw Com. Unit H. S.	Carl F. Geissler	10	X		X
Washington Com. H. S.	Frank Young	18	X		
Waterman Com. H. S.	Robert Edwards	13	X		

Name of School	Name of Teacher	Items Ordered U	AR	T	SF
Watseka Com. Unit H. S.	Ralph Buswell		X		
Wellington Com. H. S.	Eugene A. Patchett	15	X		X
Wenona Com. Unit H. S.	Glenn E. Wiley	1	X		
Westfield Twp. H. S.	Vergil Gregg	10	X		X
West Salem Jr. H. S.	Steve Pollock	15	X	X	X
White Hall Com. Unit H. S.	Carrol K. Darrow	10	X		
Williamsfield C. U. H. S.	James W. Guilinger	10	X		
Williamsville C. U. H. S.	John D. Sweeney	10	X		
Windsor Com. Unit H. S.	Luther E. Martz	12	X		
Winnebago Com. Unit H. S.	Lester B. Hilden	12	X		
Wyanet Com. H. S.	Joe Newcomer	10	X		
Wyoming Com. H. S.	Donald I. Kerr	10	X		
Yates City Com. Unit H. S.	Richard Langenfeld	10	X		
Yorkville Com. H. S.	Marion F. Welles	15	X		X
	OUT-OF-STATE				
Charlottesville H. S. Charlottesville, Indiana	E. L. Patton		X		
Crawfordsville H. S. Crawfordsville, Indiana	Lynn Guse		X		
Johnson Twp. Schools Decker, Indiana	H. F. Donagher		X		
School, City of Kendallville Kendallville, Indiana	Dale D. Schinbeckler		X		
Hancock Central H. S. Maxwell, Indiana	Carl Hylton		X		
Bolivar Twp. School Otterbein, Indiana	Lawrence Grundler	10	X		
Rensselaer, Indiana (Personal)	R. S. Bundy		X		
Salem H. S. Salem, Indiana	E. Eisert	10	X		
South Whitley, Indiana (Personal)	Joe C. Metzger		X		
Washington, Indiana (H. S.)	Ron Frette	10	X		
Wheatfield Twp. School Wheatfield, Indiana	James B. Wilson		X		
Dysart H. S. Dysart, Iowa	M. F. Youtz		X		
Le Mars Public Schools Le Mars, Iowa	Carl J. Kensil	10	X		
Manson Com. H. S. Manson, Iowa	Harold Turpin		X		
Iowa Valley Com. School Marengo, Iowa	Robert M. Seanson		X		
New London Com. School New London, Iowa	M. R. Burns		X		
Sibley Independent School Sibley, Iowa	Francis C. Baldus		X		
Spencer, Iowa (Personal)	P. G. Duin		X		
West Liberty Com. Schools West Liberty, Iowa	J. Joe Wright		X		

Name of School	Name of Teacher	Items Ordered			
		U	AR	T	SF
Winfield Com. School Winfield, Iowa	Ralph H. Herman		X		
Yarmouth H. S. Yarmouth, Iowa	Louis Doty	10	X		
Eau Claire H. S. Eau Claire, Michigan	J. G. Vucich	25	X		
Glenville H. S. Glenville, Minnesota	Irvin W. Edie	OA			
University of Missouri Columbia, Missouri	Earl S. Webb		X		
Senior H. S. Fremont, Nebraska	R. M. Kildee	10	X		
College of Agriculture Lincoln 3, Nebraska	M. G. McCreight		X		
North Carolina State College Raleigh, North Carolina	James J. Horner		X		
Townsend-Wakeman Local Schools Wakeman, Ohio	Gale Bachelder	20	X		
High School Palmyra, Wisconsin	George H. Nelson		X		

Meetings on Record Analysis. As announced at conference, we will be able to help analyze student records in half a dozen or so meetings in individual sections this year. Sections wishing such meetings should get the names of the interested persons to us by Novermber 1, along with a suggested meeting place and two or three alternative dates. The meetings can be about three hours, more or less. JHH

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 1959-60.

1. 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.)

2. What is the cost of using the materials?

   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 time required to check, recondition, and repack the box.

   d. An additional charge of $5.00 per box, regardless of time used. (This will be the first year such a charge has been made, but it 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.)

3. 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 regardless of time used.

4. 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, however, will 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.

5. 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.

POLICIES AND PROCEDURES

Payment for Items Purchased Through Vocational Agriculture Service. For years Vocational Agriculture Service has had a policy of accepting orders totaling more than $5.00 on open (charge) account. We request that payment, including postage, accompany all orders totaling less than $5.00 unless the individual or organization ordering has an open account with Vocational Agriculture Service for 1959-60.

All open accounts will be set up under the following conditions:

Open accounts will be set up for the year 1959-60 for those in any one of the five following categories:

1. Agricultural Release subscribers for 1959-60.

2. Those who place advance orders for 10 or more sets of all units to be released during 1959-60.

3. Those who place advance orders for Tape of the Month.

4. Those who place advance orders for slidefilms.

5. Individuals or organizations not in one of the two preceding categories but who send us a written request for an open account and are notified of approval of such request by Vocational Agriculture Service.

The following conditions apply to any open account that Vocational Agriculture Service sets up for 1959-60:

1. Whenever feasible, charges totaling $5.00 or over will be included on a statement sent at the time an order is received.

2. Charges of less than $5.00 will be accumulated by Vocational Agriculture Service until the total reaches at least $5.00. Statements will be sent as soon thereafter as seems desirable to our Service.

3. At the end of our fiscal year (June 30, 1960), a final statement will be sent for each open account regardless of how small the accumulated charge might be.

4. All statements are payable within three months from date of statement unless other arrangements have been approved by Vocational Agriculture Service prior to issuance of the statement.

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.

MH

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, Room 424 Mumford Hall (Tel. Ext. 186), or direct to the individual or department concerned.

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. MH

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 all items f.o.b. Urbana unless otherwise indicated. This certainly should not handicap those who have an open account with us for 1959-60. 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. MH

Plan for Grouping Charge Orders From Different Divisions of College of Agriculture. Vocational agriculture teachers can now 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. It may also enable you to order the minimum of $5.00 and thereby eliminate the need to send payment with your order in case you do not have an open account with Vocational Agriculture Service for 1959-60.

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 is cheaper. Vocational Agriculture Service will no longer advance postage charges unless you have an open account with us for 1959-60. In such cases we will prepay the postage and charge your account. MH

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 the vocational agriculture program:

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 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 of need to justify the extra copies. This should include 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 rated 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.

NOTE: The committee ratings on publications are no longer available for distribution. Experience has taught us that too many teachers simply follow the plan of ordering according to the committee ratings rather than according to their needs. MH

AGRICULTURAL EDUCATION NEWS

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

Dr. Aretas W. Nolan. Dr. A. W. Nolan, the first person to teach courses in agricultural education at the University of Illinois, died on July 9, 1959, at the Oak Hill Manor, Ithaca, New York, at the age of 85. He had been a helpless invalid for several years. He leaves a daughter, Mrs. R. B. (Phyllis) Dikeman of Brooktondale, New York. Mrs. Nolan preceded him in death.

Dr. Nolan was a member of the staff of the College of Agriculture from 1913 to 1918. He was transferred to the Division of Agricultural Education of the College of Education when that division was established in 1918. He headed the division from 1918 to 1938. He retired in 1942 with the rank of associate professor, emeritus.

He was also the first state supervisor of agricultural education in Illinois. As supervisor, he drafted and secured the approval by the Federal Board for Vocational Education of the first state plan for vocational education in agriculture, which became effective in 1918.

Dr. Nolan was the founder and for many years the national president of Alpha Tau Alpha, national agricultural education fraternity.

He was in great demand as a speaker. In this role he visited hundreds of Illinois communities. He was widely known because of a weekly broadcast from the University radio station, WILL.

He was a very active churchman, substituting frequently in the pulpit of his own church, the University Place Church of Christ in Champaign, and in pulpits across the state. He was a leading member of the Champaign-Urbana Exchange Club.

He was an inspiring teacher who led many of his students to commit their lives to teaching. One of his former students has commented that it is largely due to Dr. Nolan that Illinois has a large group of teachers of vocational agriculture who have taught 20 to 30 years or more.

He provided a firm foundation for the Division of Agricultural Education of the University of Illinois College of Education, making it easy for his successors to build upon it.

He was a fine Christian gentleman, a warm and stimulating friend, and a devoted husband and father. He leaves us a rich heritage. HMH

Finance Study to Be Continued. Arrangement have been completed to continue the special study of the financing of vocational education in Illinois, which was planned for two years, 1958 to 1960, but which had to be financed with funds from two biennial appropriations. Dr. George C. Mann will continue with the project, which the original committee of McLure, Miller, Karnes, and Hamlin will continue to direct. A report is to be made by June 30, 1960. HMH

Advisory Board Meeting. The Advisory Board of the Division of Agricultural Education met on June 8 and decided to devote its work for 1959-60 primarily to the research function of the division. The board will meet again on October 9 and 10. The membership of the new board includes R. E. Dagner, Assumption, Chairman; Arthur L. Shick, Sterling, Secretary; Leon A. Mayer, Teutopolis; I. L. Brakensiek, Quincy; and Arthur E. Meadors, Morris. HMH

Education E370, Course for Beginning Teachers of Vocational Agriculture. Education E370 will again be offered extramurally to persons who are in their first year of teaching, persons from out of state who are teaching in Illinois for the first time, and persons who are returning to the teaching profession. This course carries $\frac{1}{2}$ unit of graduate credit and includes small group meetings in locations that are easily accessible to all enrollees. Problems encountered on the job provide the basis for most of the instruction. Each teacher will attend four class meetings and be visited twice by the instructor. Persons interested in enrolling in Ed. E370 should contact Professor P. E. Hemp, 103 Gregory Hall, Urbana, or one of the state supervisors. PEH

Extramural Offerings in Agricultural Education. During the fall semester, two extramural courses in agricultural education will be offered in three different centers. Education E477, Field Studies in Agricultural Education, will be taught at Minooka and Burlington. Education E472, Course Planning and Teaching Procedures in Vocational Agriculture, will be taught at Assumption.

The first meeting at Assumption will be on Tuesday, September 22, at 7:00 p.m. DST. The class will meet at the same time on additional Tuesdays for a total of 12 meetings.

The first meeting at Minooka will be on Wednesday, September 23, at 5:00 p.m. DST, and a total of 8 meetings will be held on Wednesdays. The first meeting at Burlington will be on Thursday, September 24, at 5:00 p.m. DST, and a total of 8 meetings will be held on Thursdays.

The Division of Agricultural Education has lists of persons who will enroll in these courses. If additional people are interested or if there are questions, write to George P. Deyoe, 103 Gregory Hall, Urbana, Illinois. GPD

Placement Situation. The following placements have been made since May 26: Avon, L. West; Beason, D. Simer; Bowen, E. Sparrow; Braidwood, D. McConville; Brimfield, M. Tessier; Dongola, D. Kraatz; Elmwood, E. Breece; Forrest, G. Wright; Grayville, W. Cadwell; Joppa, C. Cox; Little York, J. Fedderson; Ridgway, B. Shann; Roberts-Thawville, J. Roth; St. Francisville, Raymond Davis; Tamaroa, B. Murry; Woodlawn, A. Buesking.

Nine vacancies are listed with the Placement Office at the present time. Seven men without teaching experience are available for placement. A few experienced teachers, including two or three men in other occupations, are also available for placement. AHK

PRICE LIST OF FEEDS[1]

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 ton in dollars		
	May 20	June 20	July 20
Corn, bu.	$ 1.18	1.17	1.18
Corn, ground, bu.	1.25	1.24	1.25
Oats, bu.	.60	.58	.60
Oats, ground, bu.	.67	.65	.67
Barley (feed), bu.	1.00	1.00	1.00
Barley, ground, bu.	1.07	1.07	1.07
Sorghum grain, cwt.	1.95	1.95	1.95
Garbage and kitchen waste, ton.	8.00	8.00	
Skim and buttermilk, cwt.	1.50	1.30	1.40
Whole milk, cwt.	3.00	2.60	2.80
Corn silage, ton, & sorghum silage	8.00-10.00	8.00-10.00	
Grass silage, ton			
No preservative added	6.00- 8.00	6.00- 8.00	
Preserved with 70-100 lb. molasses.	7.00- 9.00	7.00- 9.00	
Preserved with 150-200 lb. ground corn.	11.00-13.00	11.00-13.00	
Clover and mixed hay)	20.00	20.00	20.00
Cowpea hay) Add $5 per ton.	16.00	16.00	16.00
Soybean hay) for baled hay	17.00	17.00	17.00
Alfalfa hay) and straw	23.00	21.00	21.00
Timothy hay)	18.00	19.00	19.00
Corn stover, ton.	12.00		
Oat straw, ton.	14.00	10.00	10.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6 cents/head/day
Calves and colts, 12 to 24 months old, 8 cents/head/day
Cattle, 24 months and older, 13 cents/head/day
Pigs, 50 to 100 pounds 1/4 cent/head/day
Lambs up to weaning, 1 cent/head/day
Sheep or lambs after weaning, 2 1/2 cents/head/day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG SERVICE

Announcements & Notes

Open Accounts With Vocational Agriculture Service for 1959-60. Stapled with each issue of the September AIDS sent to a vocational agriculture teacher in Illinois are a sheet giving information regarding open accounts and a form to be filled out by schools not having such accounts with Vocational Agriculture Service but wishing to have one.

Our facilities will permit handling a limited number of open accounts for others in addition to vocational agriculture teachers in Illinois. Anyone who is interested in such an account should contact our office.

SUBSCRIBERS TO AGRICULTURAL RELEASES FOR 1959-60, THOSE WHO HAVE PLACED ADVANCE ORDERS FOR UNITS FOR 1959-60, THOSE WHO HAVE ORDERED TAPES OF THE MONTHS, AND THOSE WHO HAVE PLACED ADVANCE ORDERS FOR 1959-60 SLIDEFILMS AUTOMATICALLY HAVE OPEN ACCOUNTS WITH OUR SERVICE AND SHOULD NOT FILL OUT AND RETURN THE FORM REFERRED TO. M.H.

Status of Composite Orders Deadlined as of July 1. All composite orders for Sets I and II of the weed slides, the colored crop slides, and the Morrow Plot kits have been sent. We have some but not all of the items necessary for completing tractor maintenance kits, small engine kits, and concrete kits. Requisitions for all of the items needed in connection with composite orders were placed the first week in July. We had hoped that delivery would be made so that the items could all reach schools before September 1, but apparently that will be impossible. We can only assure you that the items will be sent as soon as possible after they are received by our office. The schools concerned are notified each time a shipment is made. M.H.

Agricultural Releases--Advance Orders for 1959-60 Subject-Matter Units. The September 1 deadline will have passed by the time you receive this copy of the AIDS. Consequently, we cannot accept further orders for 1959-60 Agricultural Releases or advance orders for subject-matter units to be released during the year. A complete list of those ordering the foregoing items as well as those receiving tapes of the month and slidefilms to be released during 1959-60 was included in the August AIDS. We hope this listing prevented teachers from being disappointed in not knowing whether their orders had been received. Please do not order after the deadline date, since our facilities simply will not permit us to accept such orders. M.H.

Changes in Method of Shipment. During the past month we made arrangements to ship many of our orders through United Parcel Service. This service can handle only packages for delivery within Illinois, and its rates are quite similar to those for parcel post shipments. Each shipment, however, is automatically insured, and we understand that delivery is made to the individual or school addressed rather than to the post office and, also, that it may be faster. Because shipments by this means are insured, we hope teachers will immediately notify us of breakage that is not found until the package is opened or that they will notify the carrier if breakage is noted upon delivery. M.H.

INDEX TO VO-AG SERVICE ITEMS

Extramural Courses in Agriculture. The following information is taken from a letter signed by Karl E. Gardner, Associate Dean, and from the extramural credit course folder that accompanied that letter:

"In June we asked from you an indication of interest in the subject of graduate-level extramural courses. We received 200 completed forms requesting one or more of the nine courses offered.

"We have been able to schedule five of these courses at the following locations:

Agronomy E306 - Fertilizers and Their Soil Reactions - Macomb - Western Illinois University, Sherman Hall, Room 109, at 5:30 p.m. on Wednesdays, beginning September 23, 1959. Instructor: Professor S. W. Melsted.

Agricultural Economics E332 - Livestock Marketing - Sterling - Sterling High School, 1608 Fourth St., at 6:30 p.m. on Wednesdays, beginning September 23, 1959. Instructor: Associate Professor E. E. Broadbent.

Agricultural Economics E324 - Farm Operation - New Berlin - New Berlin High School, at 6:30 p.m. on Thursdays, beginning September 24, 1959. Instructor: Mr. Roy N. Van Arsdall.

Plant Pathology E377 - Diseases of Field Crops - Olney - East Richland High School, at 8:30 a.m. on Saturdays, beginning September 19, 1959. Instructor: Professor Wayne M. Bever.

Animal Nutrition E301 - Introduction to Animal Nutrition - Salem - Salem High School, at 6:30 p.m. on Thursdays, beginning September 24, 1959. Instructor: Assistant Professor H. H. Draper.

"Remember, these courses cannot be offered unless fifteen or more students register. The prospective number of enrollees is definitely marginal in all five courses, and you should encourage others to register at the time of the first meeting of the class." K.E.G. - M.H.

Guide to Parliamentary Practices. Our supply of "A Guide to Parliamentary Practices" is completely exhausted except for a few file copies that we wish to keep. We had hoped to have the revision ready for distribution by the time the supply was exhausted. However, we now find that it will probably be a few months before the revised publication is ready. Consequently, until further announcement copies will not be available. M.H.

Shipment of Soil Texture and Fertilizer Samples. Until recently we had planned to announce shipment of soil texture and fertilizer samples in the September AIDS, but because of the amount of breakage we were having we thought we would discontinue sending them. Within the last month, however, we have been making many shipments by United Parcel Service, and to date breakage by that means has been almost nil. Consequently, for the time being we will continue shipments of these items. M.H.

Agronomy Facts--Volume VI. We have been told that bound copies of Volume VI of Agronomy Facts are now ready for distribution at $1.00 a copy. These may be ordered through Vocational Agriculture Service or from the Information Office. If ordered direct from the Information Office, payment should accompany your request. If ordered through Vocational Agriculture Service, the charge may be made against your open account if you have such an account with us. This item is listed on the order sheet that will be found between the VAS and Agricultural Education sections. M.H.

Farm Machinery Materials. Several teachers have inquired about securing copies of some of the items distributed at the farm machinery courses held in the various sections. Vocational Agriculture Service multilithed several of those that were distributed but ran only a limited number of copies in addition to those needed for the training courses here at the University and for sectional courses. We do, however, have the mats of those that we ran. If there is sufficient demand, we will rerun them and make copies available to teachers desiring them. The tear sheet following the VAS section lists the various items for the convenience of those wishing to order. Orders should reach our office on or before November 1. The following can be made available:

	Price per copy f.o.b. Urbana
Crop Machines Use (6 pages)	3¢
Line Diagram Method for Setting Farm Implements (2 pages)	1¢
Suggestive List of Demonstrations - Farm Machinery (1 page)	1/2¢
Determining Losses and Adjusting the Combine for Soybean Harvesting (1 page)	1/2¢
High School Vocational Agriculture Farm Machinery Survey (2 pages)	1¢
An Approach to Farm Machinery Adjustment, Maintenance and Repair (2 pages)	1¢
Partial List of References on Plows and Combines (1 page)	1/2¢
Quick Test on Combines (4 x 6 card, both sides)	1¢
6 Steps in Adjusting Moldboard Plows (Ill. Cir. 755)	
*Harvesting With Combines	3¢

*Copies of this publication from Ohio are no longer available, but Ohio has agreed to loan us the plates if we wish to multilith copies. M.H.

Composite Orders. We will accept orders up to October 15 for tractor maintenance kits, sets of colored weed slides, sets of colored crop slides, small engine kits, concrete kit items, and items in the Morrow Plot kits. Our office will combine orders from various schools and make a composite order. Distribution will be made as soon as possible after the items have been received. Since we do not carry these items in stock, this will be your last opportunity to order them through Vocational Agriculture Service until the time of the annual conference of vocational agriculture teachers next June. The various items that may be ordered are listed on page 4.

Tractor Maintenance Kits and Items:	Price
Complete kit	$26.25
Individual items:	
Compression tester	4.95
Vacuum gauge	5.98
Timing light	3.96
Battery hydrometer	1.35
Battery cell tester	3.25
Flat feeler gauge (6 inch, 9 leaf)	.60
15 pc. set of ignition wrenches	2.95
Speed indicator	2.50
Spark-plug gap gauge (wire type)	.40
Tire pressure gauge (tractor type)	1.15
2-spark-plug wrenches (for 14 mm. and 18 mm.)	.70

Sets of Colored Weed Slides:

15 Slides--Set I - $3.30, f.o.b. Urbana
15 Slides--Set II - $3.30, f.o.b. Urbana
The sets include the following:

Set I	Set II
1. Broadleaf Plantain	16. Bracted Plantain
2. Buckhorn	17. Buffalo Bur
3. Chicory	18. Burdock
4. Corn Cockle	19. Daisy Fleabane
5. Jimson	20. Dog Fennel
6. Johnson Grass	21. Flower-of-an-Hour
7. Lambs-Quarter	22. Flowering Spurge
8. Leafy Spurge	23. Ground Cherry
9. Common Milkweed	24. Horsetail
10. Pepper Grass	25. Joe-Pye Weed (Thoroughwort)
11. Perennial Sow Thistle	26. Spanish Needles
12. Smartweed	27. Water Hemlock
13. Velvet Weed	28. Whorled Milkweed
14. Wild Carrot	29. Wild Onion
15. Wild Parsnip	30. Yarrow

Set of Colored Crop Slides:

12 Slides--Set I - $2.64, f.o.b. Urbana
The set includes the following:

1. Alfalfa	7. Vetch
2. Red Clover	8. Bromegrass
3. Alsike Clover	9. Orchard Grass
4. White Clover	10. Timothy
5. Birdsfoot Trefoil	11. Kentucky Bluegrass
6. Crimson Clover	12. Redtop

(Continued)

Small Engine Kits:	Price
Complete kit	$ 9.10, f.o.b. Urbana
Individual items:	
Piston ring expander	1.55
Magnetic key inserter	1.25
Piston ring compressor	1.10
Valve lifter and spring compressor	2.80
Valve grinder	2.40

Concrete Kit Items:	
Complete kit	$29.95
(Includes 5 sets of forms, breaking machine with scale, 5 mixing pans, 5 measuring cups, 5 small trowels)	
Separate items (if complete kit is not desired)	
Sets of forms--per set	2.65
Breaking machine with scale	11.00
Mixing pans--each	.80
Measuring cups--each	.40
Small trowels--each	.25

Morrow Plot Kit:	
Complete kit	$ 1.25, f.o.b. Urbana

Includes the following items:

- 5 slides
- Ill. Cir. 777
- Mimeo. AG-1686
- Agronomy News 100
- 2 display charts
- (ears of corn no longer available)

Composite orders may be listed on the tear sheet to be found at the end of the VAS section. M.H.

Small Engine Kit: Price

Complete kit
Individual items:
Lubricating capsules [illegible]
Magnetic key ignition [illegible]
Piston ring compressor [illegible]
Valve lifter and grinding compressor [illegible]
Valve grinder [illegible]

Leadership Kit Library:

Complete kit [illegible]
(Includes 2 sets of forms, 2 training manuals plus
boards, 5 training posts, 5 measuring sticks, 1 small
shovel)
Separate items (if complete kit is not desired)
Pack of forms--per set [illegible]
Training manuals with boards [illegible]
Training posts--each [illegible]
Measuring sticks--each [illegible]
Small shovels--each [illegible]

Service Kit Kit:

Complete kit [illegible]
Includes the following items:
2 axles
Tire, Dia. 27"
Wheel, [illegible]
Agricultural tire
2 tongue chains
(sets of rods or longer available)

Accessory: coupler may be placed on the hole under it to hook to the rear of the 4x4 section. [illegible]

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

EDUCATORS GUIDE TO FREE FILMS. Nineteenth Annual Edition, 1959. $7.00. Educators Progress Service, Randolph, Wisconsin.

The information we have indicates that "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 fingertips, within the covers of a single book. Many films "rented" to schools by other agencies are FREE from sources in the FILM GUIDE...This NINETEENTH ANNUAL EDITION lists 4,223 titles of films, 614 of which are not listed in the previous edition."

EDUCATORS GUIDE TO FREE FILMSTRIPS. Eleventh Annual Edition, 1959. $6.00. Educators Progress Service, Randolph, Wisconsin.

According to the information that accompanied this publication, "This service is devoted entirely to free filmstrips and free slides. It is a complete, annotated schedule of free filmstrips--bringing you the compiled information on FREE filmstrips for your immediate use, all at your fingertips, within the covers of a single book...This ELEVENTH annual edition lists 743 titles, including 94 sets of slides. In 1946, only 82 free filmstrips were available. Since that time, the quality as well as the number of free filmstrips has made most significant gains."

CROP PRODUCTION. Second edition, 1959. Delorit and Ahlgren. $5.50. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

According to the preface, "Encouraged by the reception that has been given to the first edition of Crop Production, the authors have continued (a) to consider each phase of crop production in its entirety within individual chapters, (b) to arrange each chapter so that certain items may be omitted if desired, (c) to omit the names of improved varieties that do not have a wide range of adaptation, and (d) to keep the number of tables at a minimum. As with the first edition, the sequence of chapters need not serve as the order of presentation in the classroom.

"Special effort has again been made to keep the language as simple as possible. Crop production, however, is no longer in a sow and reap status. The names of many new chemicals that are being used as fungicides, insecticides, defoliants, and herbicides, as well as many of the terms associated with plants, cannot be simplified beyond a certain point. Moreover, we can no longer ignore the fact that a working knowledge of these terms is important to successful crop production today."

TO: Vocational Agriculture Service, 434 Mumford Hall, Urbana, Illinois.

Please accept my order for the following:

_____	TRACTOR MAINTENANCE KIT (Complete Kit)	$26.25*
	Individual items:	
_____	Compression tester	4.95
_____	Vacuum gauge	5.98
_____	Timing light	3.96
_____	Battery hydrometer	1.35
_____	Battery cell tester	3.25
_____	Flat feeler gauge (6 inch, 9 leaf)	.60
_____	15 pc. set of ignition wrenches	2.95
_____	Speed indicator	2.50
_____	Spark-plug gap gauge (wire type)	.40
_____	Tire pressure gauge (tractor type)	1.15
_____	2-spark-plug wrenches (for 14 mm. and 18 mm.)	.70
_____	COLORED WEED SLIDES--15 slides--Set I - $3.30	
_____	COLORED WEED SLIDES--15 slides--Set II - $3.30	
_____	COLORED CROP SLIDES--12 slides--Set I - $2.64	
_____	SMALL ENGINE KIT (Complete Kit)	9.10
	Individual items:	
_____	Piston ring expander	1.55
_____	Magnetic key inserter	1.25
_____	Piston ring compressor	1.10
_____	Valve lifter and spring compressor	2.80
_____	Valve grinder	2.40
_____	CONCRETE KIT (Complete Kit)	29.95
	Individual items:	
_____	Sets of forms--per set	2.65
_____	Breaking machine with scale	11.00
_____	Mixing pans--each	.80
_____	Measuring cups--each	.40
_____	Small trowels--each	.25
_____	MORROW PLOT KIT (Complete Kit)	1.25
_____	AGRONOMY FACTS--Volume VI	1.00
	FARM MACHINERY MATERIALS:	
_____	Crop Machines Use (6 pages), 3¢ per copy	
_____	Line Diagram Method for Setting Farm Implements (2 pages), 1¢ per copy	
_____	Suggestive List of Demonstrations - Farm Machinery (1 page), 1/2¢ per copy	
_____	Determining Losses and Adjusting the Combine for Soybean Harvesting (1 page), 1/2¢ per copy	
_____	High School Vocational Agriculture Farm Machinery Survey (2 pages), 1¢ per copy	
_____	An Approach to Farm Machinery Adjustment, Maintenance and Repair (2 pages), 1¢ per copy	
_____	Partial List of References on Plows and Combines (1 page), 1/2¢ per copy	
_____	Quick Test on Combines (4 x 6 card, both sides), 1¢ per copy	
_____	6 Steps in Adjusting Moldboard Plows (Ill. Cir. 755)	
_____	Harvesting With Combines, 3¢ per copy	

* All prices listed hereon are f.o.b. Urbana.

NAME _____ ADDRESS _____

VO-AG AIDS

Volume 18, Number 3

October 1959

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

October Agricultural Releases. The first shipment of 1959-60 Agricultural Releases was mailed on September 29. Those to vocational agriculture teachers were sent by United Parcel delivery, and all were insured. Illinois teachers should receive their copies by October 1. If you are an Agricultural Release subscriber for 1959-60 and have not received your copy by October 2 or 3, please notify us immediately. Releases to out-of-state subscribers were sent by regular mail and on the same date. M.H.

Subject-Matter Units for 1959-60. To date all of the units that we plan to distribute for the 1959-60 school year have been printed except one. It appears now as though advance orders for units will be filled completely between now and November 1. We are not in a position to accept orders for individual units in the 1959-60 series until after advance orders have been filled. Further announcements will be made in the November AIDS. M.H.

Tape of the Month. The October Tape of the Month was mailed from our office on September 29 to the 61 subscribers for 1959-60. It was mailed in a reusable carton and carried information relating thereto. The shipments were insured. If any subscriber does not receive his tape within a reasonable time after October 1, we hope he will notify us. M.H.

F.F.A. Roadside Signs--Reconditioning of. The Board of Trustees of the F.F.A. Foundation has again authorized a sum of money for repainting and relettering sets of F.F.A. signs. We are sure you realize that, unless these signs present an attractive appearance, they are a detriment rather than an asset. All sets to be reconditioned should reach our building on or before December 1. If you send them by express or freight, please prepay shipping charges. There will be no charge to chapters for repainting or relettering the signs. M.H.

Business Reply Cards and Envelopes. About a year ago we stopped distributing business reply cards and envelopes. Undoubtedly some of those distributed previously are still unused. Our permit will expire on August 31, 1960. We do not plan to renew the permit after that date. Consequently, if you still have any cards or envelopes, please use them prior to the date indicated. M.H.

Slidefilm 330--Farm Appraisal. Prints of slidefilm 330 are no longer available. This film is being revised, and we hope to release the revision during the current school year. We cannot, however, say definitely when prints will be available. When the revision is ready, we will announce it in the AIDS, and prints will automatically be sent to teachers who have placed advance orders. M.H.

Land Use Selection Cards--Price Change on. Those who have ordered land use selection cards since September 1 will probably notice that we have reduced the price by half. The price is now 25 cents per package of 25 cards instead of 50 cents, as previously listed. We expect to maintain this price as long as the current cards are in use. M.H.

Using Analysis Charts. Some materials that can be used to help analyze students' records are to be included with the October Agricultural Releases. As pointed out on the back of the first page of that material, extra sheets and charts are available from Vocational Agriculture Service as follows:

Tabulation sheets for crops -- pack of 7	5 cents
Analysis charts for crops -- pack of 14	10 cents
Tabulation sheets for livestock -- pack of 7	5 cents
Analysis charts for livestock -- pack of 14	10 cents
Set of instructions and sample charts (the same as included with the Releases)	5 cents

The use of the material could be included as an item at record analysis meetings if enough teachers desire such a meeting. (See announcement in August issue of the AIDS.) J.H.H.

Approved Practices for Swine. A copy of the five-page multilith entitled "APPROVED PRACTICES FOR SWINE" was included with the October Agricultural Releases. A few copies remain. Teachers may obtain them at 3 cents each, f.o.b. Urbana. M.H.

Welding Plans. The October Releases carried a complete set of 27 welding plans, some of which were distributed at the time of the June Conference. At least seven of the series were completed after the conference. A few copies remain. These are obtainable at one cent each with a minimum order of 10 (either 10 alike or 10 different) or 20 cents per set of 27. Both prices are f.o.b. Urbana. Send requests to Vocational Agriculture Service, 434 Mumford Hall, Urbana. M.H.

Farm Machinery Materials. Page 3 of the September AIDS gave information regarding availability of farm machinery materials. Included was a form to be used for ordering any of the items referred to. Please note that the deadline for ordering those items is November 1. M.H.

Cumulative Record Books. Booklets entitled "Records of My Farming Program--Farm and Home Electrification"--and "Records of My Farming Program--Farm Safety"--were sent to vocational agriculture teachers in Illinois along with some other information. The booklet for keeping records of the farming program in farm mechanics had been distributed previously. Copies of all three are available through Vocational Agriculture Service. The price is 5 cents a copy, f.o.b. Urbana, with a minimum of five copies per order.

According to information previously sent from the Springfield office, cumulative record books are available and must be used for farm machanics, farm and home electrification, and farm safety. M.H.

Status of Composite Orders Placed July 1 or Before. As of September 24 we lacked one item needed to complete composite orders for the small engine and tractor maintenance kits. Two telephone calls to Chicago have brought a promise that the item would be sent in a few days. Consequently, we hope that all composite orders placed prior to July 1 will have been filled by the time you receive this issue of the AIDS. M.H.

New Composite Orders. In the September AIDS we stated that we would accept composite orders for weed and crop slides, tractor maintenance items, small engine items, and concrete kits up to October 15. A form was included for

convenience in ordering. If you have not placed your order and wish to do so, please be sure the request reaches our office by October 15 or before. According to present plans, this will be the last opportunity to order those items through our office between now and next summer. M.H.

New Bulletins and Circulars From the College of Agriculture. The following bulletins and circulars have been released since the last announcement was included in the AIDS:

Bulletin 637	Circular 803
Bulletin 639	Circular 804
Bulletin 640	Circular 805
Bulletin 641	Circular 806
Bulletin 642	Circular 807
Bulletin 643	Circular 808
Bulletin 644	Circular 809
Bulletin 645	
Bulletin 646	

Bulletin 639 and Circular 806 were sent with the June Releases of last year. Bulletins 640, 642, and 645 and Circular 808 were included with the October Agricultural Releases. Additional copies of all publications are available through the regular channels. If you are not familiar with the policies, please refer to the August issue of the AIDS. Bulletin 644 carries a charge of $1.00 a copy.

M.H.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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 CURRICULUM MATERIALS--ELEMENTARY TEACHERS. Sixteenth Annual Edition, 1959. $6.50. Educators Progress Service, Randolph, Wisconsin.

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

"Some significant features of this new 1959 edition are:

"Some materials listed in this edition are available only to subscribers to the GUIDE; they are not for sale or distribution in any other manner.

"Continued vigorous research and fine selectivity of the materials insure the listing of only the better titles.

"A discerning review of our prevailing educational policy, out of which it can be determined whether continuance or modification is demanded, and a consideration of providing for the giftedness of all children in light of learning defined as the process of discovery for and by oneself are discussed by Dr. John Guy Fowlkes in this 1959 edition of the ELEMENTARY TEACHERS GUIDE TO FREE CURRICULUM MATERIALS."

TEAR SHEET

- -

Return to:
Vocational Agriculture Service
434 Mumford Hall
Urbana, Illinois

Please send me the following items:

Analysis Charts:

_____Tabulation sheets for crops -- pack of 7 . . . . . 5¢

_____Analysis charts for crops -- pack of 14. . . . . 10¢

_____Tabulation sheets for livestock -- pack of 7 . . . . . 5¢

_____Analysis charts for livestock -- pack of 14. . . . . 10¢

_____Set of instructions and sample charts (the same as included with the Releases) . . . . . 5¢

_____Approved practices for Swine--each . . . . . 3¢

Cumulative Record Books:

_____Records of My Farming Program--Farm Safety--each (minimum order of 5 copies). . . . . 5¢

_____Records of My Farming Program--Farm and Home Electrification--each (minimum order of 5 copies). . . . . 5¢

_____Welding Plans...minimum order of 10 copies (10 alike or 10 different). . . . . 1¢

_____

Teacher School

AGRICULTURAL EDUCATION NEWS

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

National Young Farmer Study. Forty-seven schools in Illinois are participating in the National Young Farmer Study. All 25 sections in Illinois are represented in the study. During 1959-60 and 1960-61 these 47 schools will be conducting year-round young farmer programs. The objectives of the study are:

1. To identify problems and solutions in initiating young farmer programs with recommended characteristics.

2. To study the consequences of introducing certain characteristics not present in previous young farmer programs.

3. To determine the effect on the young farmer program of different instructional units and their relationships to the farming programs of those enrolled.

4. To study changes of attitudes toward young farmer education.

Selected schools in most of the other states in the United States are also participating in the study. All schools in the study are conducting their young farmer programs from July 1959 to July 1961 and are using the same forms to collect data.

Schools and teachers participating in the study in Illinois are:

Section	School	Teacher
1	Freeport	V. M. Bokemeier
	Pearl City	Clifton E. Wick
2	Dixon	William Gaither, Jr.
	Sterling	Arthur L. Shick
3	Buda	Merle Horwedel
	Taylor Ridge	William McKelvey
4	Williamsfield	James Guilinger
5	Brimfield	Jack Satorius
	Princeville	E. L. Rice
	Toluca	Harold Myrold
6	Marengo	Lester Finder and Robert Vogen
	Poplar Grove	Philip Brown
7	Kaneland (Maple Park)	Thomas Anderson
	DeKalb	Robert Brown

Section	School	Teacher
8	Earlville	S. Stuart Montooth
	Newark	George Richter
	Plainfield	W. I. Bidner
9	Chatsworth	Dwight Mobley
10	Sheldon	Donald Schriefer
11	Bushnell	William R. Thornton
	Macomb	Burdette Graham
12	Lewiston	Carl McCausland
	Manito	Albert Liehr
	Tremont	Samuel Wegman
13	Griggsville	R. Glenn Willard
	Virginia	Shaw Terwilliger
14	Williamsville	John Sweeney
15	Brussels	William Fortschneider
	Carlinville	Stanley Klaus
16	Farmer City	Gene Elliott
17	Mahomet	Kenneth Knell
	Paxton	Robert Rohlfing
	Tuscola	Wendall Schrader
18	Catlin	H. W. Smith
	Fithian (Oakwood Twp.)	Williford Hockett
19	Raymond	William Doerr
20	Mattoon	James Stewart
	Neoga	James Leming
	Oblong	Clarence Tidwell
21	Altamont	Jewell Jenne
	Brownstown	Max Grinnel
22	Nashville	William Clapp
	Waterloo	Harold Drake
23	Bridgeport	John C. Baker
	Lawrenceville	Jesse Keyser
24	Sesser	Rolla Mitchell
25	Eldorado	H. C. Bishop

The state supervisors obtained the cooperation of the schools as participants in the study. Lloyd J. Phipps, Agricultural Education Division, University of Illinois, is the project leader for Illinois. The study is being sponsored by the American Vocational Association. L.J.P.

New Young Farmer Publication. A new publication entitled "A Comprehensive Agricultural Education Program for Young Farmers" was recently issued by the Agricultural Education Division. Professor Lloyd J. Phipps is the author. The publication reports results of a five-year study of young farmer education in five departments of vocational agriculture in Illinois and contains the course plans used in the young farmer programs in these schools.

It also presents the procedures used in these five schools in obtaining and maintaining interest in a three- or four-year continuous young farmer course.

Illinois teachers of vocational agriculture may obtain a free copy of this publication by writing the Agricultural Education Division, 103 Gregory Hall, Urbana, Illinois. L.J.P.

Agricultural Education in the Public Schools and the Future. Every citizen, teacher, and school administrator should have the information needed to discuss rationally and intelligently the current issues in education and agricultural education. With this thought in mind the mimeograph, "Agricultural Education in the Public Schools and the Future," was compiled. It contains source materials and quotations that will help you understand these issues and discuss them with others. A copy of this mimeograph may be obtained from the Agricultural Education Division, 103 Gregory Hall, Urbana, Illinois. L.J.P.

Study Completed. Mimeographed copies of a study, "Future Plans of Vocational Agriculture Seniors in Illinois High Schools, Classes of 1959," are now available from this office. The study was made by A. H. Krebs with the help of 73 Illinois teachers of vocational agriculture.

The summary contains information on choice of college, choice of college major, reasons for choice of college, occupational plans of seniors not planning further education, and some comparisons with the findings of two earlier studies dealing with the college plans and attendance of vocational agriculture seniors in Illinois, classes of 1955. A.H.K.

Education E370, Course for Beginning Teachers of Vocational Agriculture. Thirty-one teachers of vocational agriculture have already enrolled in Education E370. Two of them are from out of state, and one is returning to teaching from other work. Small group meetings will be held in DuQuoin, Sumner, Monticello, Jacksonville, Marseilles, Galena, and Thomson. Problems encountered on the job by enrollees provide the basis for most of the instruction at the four small-group meetings. Individual instruction will be provided to each teacher during two school visits made by the instructor of the course. Teachers enrolled in Education E370 develop four-year courses of study, plan summer programs of activities, and take complete inventories of shop and classroom equipment.

P.E.H.

Fellows and Graduate Assistants. Fellowships for the school year 1959-60 are held by Robert Warmbrod of Belvidere, Tennessee, and Richard Fairgrieves of Belvidere, Illinois, graduate students with counselors in the Division of Agricultural Education. Quarter-time assistantships in the division are held by two candidates for master's degrees: John Dickson of Hampshire, Illinois, and Donald Miller of New Holland, Illinois. H.M.H.

Evaluation of Beecher. G. P. Deyoe, Paul E. Hemp, and H. M. Hamlin will be in charge of an evaluation of agricultural education in the school system at Beecher, Illinois. Data useful in the evaluation are being provided by the teacher of agriculture, Edward Behm, preliminary to the first visit of the evaluating team on September 25. At a later date the team will confer with the board of education, the advisory committee, and the staff of the school system. Finally, a report will be submitted which will take into account the suggestions from all sources for the future program in agricultural education. A similar evaluation was made at Beecher in 1955. H.M.H.

Talks at Meetings of School Board Members. H. M. Hamlin will speak at three dinner meetings of the Tri-County Division of the Illinois Association of School Boards to be held at Elmhurst, Des Plaines, and Chicago Heights on successive evenings, October 6, 7, and 8. His subject will be "Citizen Participation in Public Education." H.M.H.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the Office of President, I.A.V.A.T.:

Following is a list of recommendations made by the I.A.V.A.T. Committee on Judging Contests at a meeting held August 18 at the Illinois State Fair Grounds. Members present were John E. Shields, Jr. (Chairman), Shannon; Robert Edwards, Waterman; Stanley Klaus, Carlinville; and Willis McKinney, Mount Auburn. Also present were W. H. Witt, Vocational Agriculture Service; G. Donovan Coil; and H. M. Strubinger of the supervisory staff.

June 21, 1960, was the date recommended for the one-day State Judging Contests.

Fatstock Contest

Recommended that the rings of grading of fat steers and feeder steers be divided into lots of five (5) so as to allow time for the boys to grade them. (The two sets of five fat animals to be scored as one ring. The same should be done for the feeder steers.)

Recommended that ten (10) fat hogs be included as one ring to be graded on U. S. Standards.

Recommended that one ring of four feeder pigs be used (if possible).

At a future date, it is recommended that thought be given to the showing of carcasses of fat swine that were previously graded on the hoof.

Grain Division

Recommended that weed seed class be eliminated and colored slides of growing weed plants be used in their place.

Recommended the elimination of two rings: that of timothy and that of small-seeded legumes.

Recommended that a ring of legume or mixed hay be judged (not graded).

Recommended that a ring of silage be judged.

With school in session for most of us, now is a good time to look over the coming program. Have we done some planning in the courses we are about to offer? Who decides what will be offered--is it a committee of one, or is the community sampled? Many times evening adult and young farmer classes can put a little worthwhileness into a similar day program.

How about those visitations? Are we going to the same places because we like to go there, we meet friends, or we frequent the pleasant places? Maybe the one we have been neglecting most needs us most. Many times our greatest boosters are those we've neglected, and the first to tear us up are the ones we have pushed most. But we should not let it get us down.

Are we demanding enough quality in our work? Let's determine what needs to be done and then do a good job. It takes a lot of work, with a lot of discouraging things in our path--but if we don't take ourselves too seriously, our evaluation sheet might look good in another ten years.

How about that fall section meeting? Did we accomplish anything? I notice that many of the sections have a few more meetings than this fall section meeting. By the way, some sections meet once a month for dinner and then business. There doesn't seem to be the internal bickering in these sections. I also notice that salary-wise these fellows aren't at the bottom either. Maybe there are some correlated facts there.

If any new and important ideas come from FFA officers' training schools, let's pass them around. If you haven't had yours, why not put some effort into making it successful? Perhaps we could talk up the National FFA Convention just a little.

What have you done about your guidance program? Let's keep feeding ideas to our boys and fellow ag teachers. Remember, this is our program for 1959-60.

INDEX

September 20, 1959

PRICE LIST OF FEEDS[1]

The 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 ton in dollars
Corn, bu.	$ 1.09
Corn, ground, bu.	1.19
Oats, bu.	.60
Oats, ground, bu.	.70
Barley (feed), bu.	1.05
Barley, ground, bu.	1.15
Sorghum grain, cwt.	2.00
Garbage and kitchen waste, ton.	8.50
Skim and buttermilk, cwt.	1.50
Whole milk, cwt.	3.00
Corn silage, ton, & sorghum silage.	
Grass silage, ton	
No preservative added	
Preserved with 70-100 lb. molasses.	
Preserved with 150-200 lb. ground corn.	
Clover and mixed hay)	20.00
Cowpea hay) Add $5 per ton.	18.00
Soybean hay) for baled hay	19.00
Alfalfa hay) and straw	22.00
Timothy hay)	19.00
Corn stover, ton.	11.00
Oat straw, ton.	12.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6 cents/head/day
Calves and colts, 12 to 24 months old, 8 cents/head/day
Cattle, 24 months and older, 13 cents/head/day
Pigs, 50 to 100 pounds, 1/4 cent/head/day
Lambs up to weaning, 1 cent/head/day
Sheep or lambs after weaning, 2 1/2 cents/head/day

* For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

Volume 18, Number 4

November 1959

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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

SENECA CLUB CALF SALE

Thirty Northern Illinois Beef herds will be represented with consignments to the Seneca Club Calf Sale held in the FFA Salebarn in Seneca, on Saturday afternoon, November 21, 1959.

To insure quality steers, only the top calves are selected from each herd. All calves are Illinois bred and many are qualified for Land of Lincoln classes at the 1960 Illinois State Fair.

This is a cooperative project sponsored by the Seneca FFA in cooperation with Northern Illinois cattlemen. The 1959 sale committee consists of Eugene Seitz of Carus Farms, Peru; Arthur Houtz, Deer Park Angus Farms, Ottawa; and W. W. Watts, Polled Hereford breeder from Ottawa.

Sale attractions include a full brother to the champion Angus steer at the 1959 LaSalle County Junior Fair; half brothers to the Grand Champion Female over-all breeds at the 1959 Grundy county 4H fair; a full brother to the top selling steer at Seneca in 1958; and Hereford half brothers to the Grand Champion steer over-all breeds at the 1959 Grundy County 4H Fair.

Most of the calves will weigh from 450 to 550 pounds. Many will be broke to tie and lead and will be started on grain feed.

The consignment of sixty steers includes 24 Angus, 21 Herefords, and 15 Shorthorns.

All calves will be ready for inspection in the FFA Salebarn on the south edge of Seneca, Illinois after 10:00 a.m. on Saturday, November 21, 1959. The sale will start promptly at 1: p.m.

Sherwood Jackson
Sale Manager
Seneca, Illinois

VO-AG SERVICE

Announcements & Notes

Composite Orders. Many of our readers probably know that we were accumulating orders for tractor maintenance kits, small engine kits, sets of slides, and Morrow plot kits. The deadline was October 15. On that day we forwarded requisitions for the items needed to fill orders that had accumulated. We do not know just when these items will be received, but we will ship them to those who placed orders as soon as possible after they reach us. M.H.

Open Accounts With Vocational Agriculture Service. Subscribers to Agricultural Releases and to our tape-of-the-month service, as well as those who placed advance orders for slide films and subject-matter units to be released during 1959-60, automatically have open accounts with our service. A form accompanied the September AIDS which could be used by others desiring such accounts for the current school year. Open accounts, however, are not automatically set up except for those groups listed previously. We mention this point because during the past month we have received numerous letters and cards ordering items and asking that the charge be made against open accounts. Upon checking, we found that these persons did not have such accounts. If you have mislaid the form that is to be sent in and wish another, please let us know. M.H.

F.F.A. Roadside Signs -- Reconditioning of. Please remember that December 1, 1959, is the deadline date for F.F.A. signs needing reconditioning. Such sets of signs should reach our building by that date. If you send them by express or freight, please prepay the shipping charges. The Board of Trustees of the F.F.A. Foundation has budgeted money for repainting and relettering signs that do not present an attractive appearance. There will be no charge to chapters for repainting or relettering the sets. Since the next issue of the AIDS will not reach you until after December 1, this will be the last notice for the current year. M.H.

Farm Machinery Materials. On page 3 of the September AIDS and on page 2 of the October AIDS, we mentioned the possibility of making available the farm machinery materials used as part of the courses offered during the past summer. The deadline for ordering was November 1. To date we have received sufficient requests to rerun all of the items listed and make them available. As soon as possible after November 1, reruns will be made and the materials sent on the basis of orders received. M.H.

Custom Spray Operators' School. We have been informed that the 12th Illinois Custom Spray Operators' School will be held January 27 and 28. Although final arrangements have not been completed, we assume that, as in the past, we will send copies of the summary of presentations to all Agricultural Release subscribers for 1959-60. They may not be ready in time to include in the February Agricultural Releases; if not, we will include them as soon as possible. M.H.

Agronomy News. If you are an Illinois agriculture teacher, you are probably familiar with "Agronomy News." If you have farmers who would like to receive Agronomy News and are not already on the mailing list, you may send their names directly to the Department of Agronomy, Davenport Hall, Urbana, Illinois. We are sorry, but the policy limits distribution only to residents of Illinois. E.L.K.

Williamson County Soil Survey Report. Teachers in the Williamson County area will be interested to know that copies of the Williamson County Soil Survey Report, Number 79, are now available. E.L.K.

Agronomy Meetings. The Agronomy Department plans to hold five district conferences this year according to the following schedule:

December 7	-	Bloomington
December 8	-	DeKalb
December 9	-	Macomb
December 16	-	Vandalia
December 17	-	Benton

Mark on your calendar the date and place of the conference most convenient for you. Specific meeting places will be announced later.

Soil testing and soil fertility will be the feature topics for discussion this year. These conferences are sponsored primarily for agricultural leaders. Vocational agriculture instructors as well as farm advisers and SCS personnel are particularly invited to attend. E.L.K.

Coming Dates. Included with each copy of the November AIDS sent to vocational agriculture teachers in Illinois is a supplement to the calendar of agriculture and home economics events. It incorporates additions and corrections to the calendar issued August 1, 1959, copies of which were sent to vocational agriculture teachers in Illinois. Dean Smith thought we might wish to call special attention to three activities that are listed, namely, the statewide competitive scholarship examinations on March 26; the Farm and Home Festival on March 30, April 1, and April 2; and the Ag Student Guest Day on April 7. The supplement also lists the dates for the State FFA Convention, State Judging Contest, June Conference for Vocational Agriculture Teachers, and other events. M.H.

Tape-of-the-Month. From present indications (October 21) it appears that some of our subscribers to the tape-of-the-month service will fail to return their October tapes in time to dub in the material for the November tape. While this announcement will be too late to help in the November dubbing, we hope it will prevent such situations in the future. If you have any questions, we hope you will write us. M.H.

Subject-Matter Units for Release During 1959-60. On October 21 we sent to those placing advance orders copies of the 22 subject-matter units that will be distributed this year. A single copy of each of the 22 units will be included in the November Agricultural Releases. We also have for distribution copies of all units in the current series that were released prior to this year. The tear sheet for this issue of the AIDS gives information on titles and prices of the new units now available. M.H.

Farm Bureau Farm Management Reports. We still have about 60 copies of the northern Illinois report and 15 copies of the southern Illinois report remaining from the supply obtained for the June Conference. We will sell them in desired quantities, so long as the supply lasts, at 15 cents a copy for the southern report and 20 cents for the northern. J.H.H.

Second set of Colored Crop Slides. Set No. VI. Vocational Agriculture Service now has a second set of crop slides ready for duplication. The slides in

this set are all new and different from those previously available. Crops included are:

13. Corn	19. Cotton
14. Soybeans	20. Tobacco
15. Oats	21. Flax
16. Wheat	22. Sugar beets
17. Barley	23. Sunflowers
18. Sorghum	24. Castor beans

Most of the slides are of field scenes or single plants of the crop. The cost of the set will depend on our duplicating costs, but on the basis of previous costs we would expect each set to cost about $2.75 f.o.b. Urbana. We will accept orders for this set through December 15. After that date we will make a composite order. E.L.K.

New Set of Weed Slides, Set No. V. We now have a third set of colored weed slides ready for duplication. The first two sets were so popular that we thought many of you would be interested in these, which are all new and different from those previously released. Most of the slides were taken last summer specifically for this use. Most of them are of individual plants against a black background.

The following weeds are included in the set:

31. Bitter nightshade	40. Giant foxtail
32. Blue vervain	41. Giant ragweed
33. Canada thistle	42. Green foxtail
34. Catnip	43. Prostrate spurge
35. Climbing milkweed	44. Sanbur
36. Common ragweed	45. Wild barley
37. Crabgrass	46. Wild lettuce
38. Curled dock	47. Wild mustard
39. Field bindweed	

The price of this set will depend largely on the total number of orders we receive and the cost of duplicating. The price of each of the previous sets of 15 slides was $3.30 f.o.b. Urbana. We would expect the price of this set to be about 40 to 45 cents higher, since it includes seventeen slides. We will accept orders for the set through December 15. After that date we will place a composite order and make shipments to schools as soon as possible thereafter. E.L.K.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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.

PHYSIOLOGY OF LACTATION, by Vearl R. Smith. Fifth edition. 1959. $4.95. Iowa State College Press, Press Building, Ames, Iowa.

The preface states: "In this fifth edition the title has been changed to Physiology of Lactation. It is felt that the latter title is more descriptive of the material covered than was the earlier 'Secretion of Milk.'

"Extensive additions and revisions have been made on all chapters. New information in all phases was incorporated and an attempt was made to document all controversial points. A major revision of the literature citations was necessary, but literature appearing up to late 1958 has been reviewed and included. References were made to review articles in order to keep the number of citations to a minimum. The citations made were to a large extent limited to the journals with the widest circulation."

PRINCIPLES OF DAIRY CHEMISTRY, by Jenness & Patton. 1959. $8.75. John Wiley & Sons, Inc., 440 Fourth Avenue, New York 16, New York.

Some of the 13 chapters in this book are: The Composition of Milk, Physical Properties of Milk, The Physical Chemistry of Milk Fat Globules, The Effects of Heat on Milk, Flavors and Off-Flavors in Milk and Its Products, and Nutritive Value of Milk. The preface states: "Agriculture is experiencing a substantial scientific revolution, although in many respects it lacks the attractive glamour of some of the newer fields opening in this atomic era. The food sciences must be pressed forward through research, new findings must be integrated with established fact, and advances in knowledge must be taught.

"Milk is of central significance in agriculture and in human health.... We have striven to produce a book suitable for instruction of the undergraduate student of dairy science. The material should be easily handled by a student who has had one year each of inorganic and organic chemistry and a semester or quarter of biochemistry."

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

Please accept my order for the following:

Composite Orders

_____Crop Slides, Set No._____ approximately $2.75 per set. _____

_____Weed Slides, Set No._____ approximately $3.75 per set. _____

Farm Bureau Farm Management Reports:

_____Northern Illinois Reports -- 20¢ ea. _____

_____Southern Illinois Reports -- 15¢ ea. _____

NEW SUBJECT-MATTER UNITS

Number desired	Unit	Title	Price ea. (prepaid) 1 - 4	Price ea. (f.o.b., Urbana) 5 or more	
_____	1015	Internal Parasites of Poultry	.16	.08	_____
_____	1016	Baby Chicks	.16	.08	_____
_____	1017	Culling the Laying Flock	.16	.08	_____
_____	1018	Minerals for Livestock	.16	.08	_____
_____	1019	Judging Livestock	.48	.24	_____
_____	1020	Feeding Dairy Cows	.24	.12	_____
_____	1021	Raising Dairy Calves	.24	.12	_____
_____	1022	Raising Dairy Heifers and Bulls	.16	.08	_____
_____	1023	Classes and Grades of Livestock	.24	.12	_____
_____	2016	Marketing Farm Products	.16	.08	_____
_____	2017	Mechanics of Land Transfer	.24	.12	_____
_____	2018	Legal Problems of the Farmer	.40	.20	_____
_____	2019	Getting Started in Farming Is Hard	.16	.08	_____
_____	3009	Use of the Square in Farm Construction	.40	.20	_____
_____	3010	Farm Surveying	.32	.16	_____
_____	4029	Soil Color	.16	.08	_____
_____	4030	Soil Texture	.16	.08	_____
_____	4031	Treating Fence Posts	.16	.08	_____
_____	4032	Growing Alfalfa	.32	.16	_____
_____	4033	Growing Soybeans	.16	.08	_____
_____	4034	Controlling Pests of Home Fruits	.08	.04	_____
_____	4035	Selecting and Preparing Soybeans for Seeding	.16	.08	_____

AGRICULTURAL EDUCATION NEWS

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

Advisory Board Meeting. The Advisory Board for the Division of Agricultural Education met on campus October 9 and 10 with all members present: I. L. Brakensiek, Quincy; R. E. Dagner, Assumption; Leon Meyer, Teutopolis; A. E. Meadors, Morris; and Arthur Shick, Sterling. H. R. Damisch and Melvin Henderson were also in attendance. During the first half-day the board met with the new College of Agriculture Committee on Public School Education in Agriculture, headed by Dr. Frank B. Lanham. In an evening meeting the members heard and discussed reports of activities of the staff of the division. In the final half-day they formulated recommendations and discussed them with the staff.

The board included the following recommendations in its report:

Attention to the dissemination of information about agricultural occupations to guidance directors, school administrators, parents, and teachers of agriculture and the improvement of the guidance about agricultural occupations high school students receive.

Study of the unique role of agricultural education in the public schools in relation to agencies outside the schools providing agricultural information and education.

Preparation of visual aids dealing with research in agriculture as it is conducted by the Illinois Agricultural Experiment Station.

Rewriting of a statement in the Bulletin of the University of Illinois to read: "It is recommended that prospective students in the College of Agriculture enroll in high school courses in Agriculture when these are available to them." H.M.H.

Agricultural Education Seminar. The first meeting of a seminar on agricultural education for members of the staff and graduate students of the Division of Agricultural Education was held on October 5. Dr. George Mann discussed the study of financing vocational education in Illinois as it relates to vocational education in agriculture. A. H. Krebs commented upon and raised questions about Dr. Mann's presentation. Two more seminar meetings will be held during the first semester, on November 9 and December 14. Meetings are in Room 107 Gregory Hall, 2:00 to 4:00 p.m. Visitors are welcome. H.M.H.

Speaking Dates. On October 22 H. M. Hamlin will speak before the Section on Vocational and Practical Arts Education of the Indiana State Teachers Association at Indianapolis on "Public Relations in Vocational and Practical Arts Education." On October 23 he will speak before the Vocational Agriculture Section of the Northwest Ohio Teachers Association on "Replanning Public School Education in Agriculture." On October 27 he will speak at the 30th anniversary celebration of the FFA Chapter at Clarinda, Iowa. The subject will be "Retrospect and Prospect." H.M.H.

The Finance Study. There is an impression in some quarters that the study of financing vocational education in Illinois, which is being conducted at the University of Illinois for the Office of the State Superintendent of Public Instruction, is concerned only with better ways of financing the program we have in the institutions we have. Obviously such an approach would be a short-sighted one. It is necessary, first, to get some idea of the prospective needs of the people of the state for vocational and technical education. Then an organization to meet these needs must be envisioned. Finally, it will be possible to estimate the required finances and suggest an equitable way of providing them. Any other approach would not get us away from the hand-to-mouth financing we have had for the past 40 years, with a new financial crisis every time the General Assembly meets.

It is apparent that the greatest gap in the Illinois system of public education is in the provision for comprehensive post-high-school institutions, other than four-year colleges and universities, which can offer some college credit work for full-time and part-time students, some vocational and technical programs, and education for other adults of all ages. Considerable thought has been given recently to suggesting regional and subregional centers for post-high-school technical education. The first proposal provides for 10 regional and 42 subregional centers. These could be technical institutes or divisions of institutions similar to the "community colleges."

We in agricultural education should not get the impression that this proposal concerns only industrial educators and does not concern us. The working definition of "technical education" used in the study is that it is education in occupations requiring more than a high school education and less than a four-year college education. In this sense every farm operator and most workers in agricultural occupations other than farming require "technical education."

The finance study in its second year is guided by the committee which saw it through its first year: W. P. McLure, Van Miller, M. R. Karnes, and H. M. Hamlin. Dr. McLure is the committee's executive officer. Dr. George C. Mann gives his full time to the study. Part-time graduate assistants associated with the study are Nelson Grote, Edward Keen, and Arthur Williamson. The study most be completed by June 30, 1960. A late stage of the study will be consultation with representatives of various groups who would be affected by the recommendations if they were put into effect.

In the near future the committee will visit some Illinois vocational and technical schools. A visit to Chicago's vocational schools is scheduled for October 30. The next trip will be to the Technical Institute at Southern Illinois University. H.M.H.

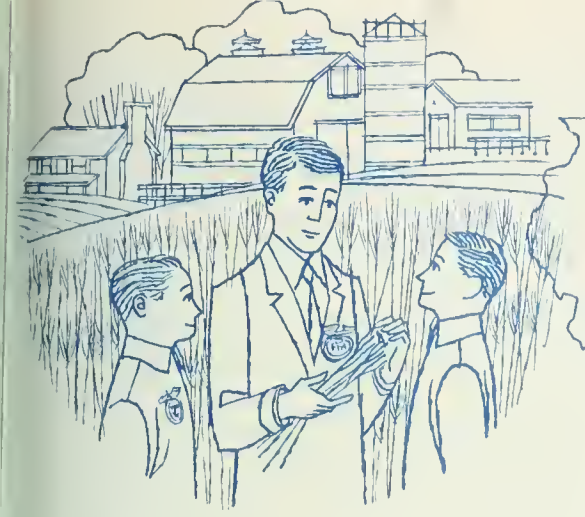
Vo-Ag Teachers Invite Administrators and Guidance Personnel to Meeting. School administrators and guidance personnel were invited by Section 23 teachers of vocational agriculture to their October meeting, held in Albion. The program was provided by a panel who discussed the place of vocational agriculture in the high school curriculum. Panel participants were "Bill" Frye, principal, Cisne, as moderator; L. T. Clark, Vo-Ag teacher, Olney; Don Kimmel, young farmer, Lawrenceville; and A. H. Krebs, Agricultural Education Division, University of Illinois. The questions asked after the presentation by the panel indicated a strong interest in a total program of agricultural education for a community, including some kind of agricultural education for those whose needs would not be met by vocational agriculture. Other questions touched on such points as the farming program requirement for enrolling in vocational agriculture, the small size of some vocational agriculture departments (which would be taken care of by further school

consolidation), opportunities in agricultural occupations, and requirements for college admission. Section 23 is to be complimented for this effort to provide administrators and guidance personnel with an opportunity to learn more about agricultural education. A.H.K.

Extramural Courses in Agricultural Education. Education E477, Field Studies in Agricultural Education, is being taught in northeastern Illinois, with 13 teachers of vocational agriculture and one school superintendent enrolled. Meetings are held in two centers, Minooka and Burlington. Education E472, Course Planning and Teaching Procedures in Vocational Agriculture, is being taught at Assumption, with an enrollment of 14 teachers of vocational agriculture.

Both groups are studying some of the significant changes in farming and in agriculture as a whole and the implications of these changes for a program in agricultural education. Consideration is also being given to recent developments in education in the public schools and their relationships to agricultural education. Each person enrolled has selected a special problem for intensive study. In most cases these problems start with a study of the trends in farming in the communities. They vary from broad consideration of the over-all changes needed in a total program of agricultural education to intensive development of a special phase of a program. Included among studies of the latter type are young farmer and adult farmer programs, the farming programs of students, courses of study, and instructional materials. Nearly all enrolled in Education E472 are revising their courses for high school students of vocational agriculture.

Enrollees vary in teaching experience from two to 25 years or more. About one-third of them hold master's degrees. G.P.D.



IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

Special Attention. The number of delegates each association can certify to the National Convention depends on the number of dues submitted to the National Secretary's office by November 1. H.D.

Have you read Dr. Hamlin's article in the October issue of Vo-Ag Teacher? He suggests that little is being done by the profession to eliminate weak and undesirable teachers. To me that suggests action by our members. Let's have some suggestions to better our health.

Why don't you go over this article and then go over it again with your administrator? Perhaps he will learn something along with you.

Check yourself against the statement, "Agriculture is failing in communities with weak teachers." Why don't you ask some questions around the community? Have yourself evaluated. Perhaps Dr. Hamlin has a checklist for such purposes.

Is your FFA or your farm mechanics program killing your department? There is no doubt that these devices are used many times as time-killers.

Do you know what the potential for adult education is in your community? Why can't we get three times as many adults enrolled as daytime students?

Have your adult committee really analyze your program. Do a little daydreaming.

How about your related occupations? Maybe your feed or fertilizer salesmen need educating. They could be good teachers in the communities for us.

R. E. Dagner, chairman of the Advisory Board, and his committee have done a good job this past month. They will also serve in an advisory capacity to Southern Illinois University.

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October 20, 1959

PRICE LIST OF FEEDS[1]

The 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 ton in dollars
+Corn, bu.	$ .94
Corn, ground, bu.	1.14
Oats, bu.	.61
Oats, ground, bu.	.71
Barley (feed), bu.	1.00
Barley, ground, bu.	1.10
Sorghum grain, cwt.	1.80
Garbage and kitchen waste, ton.	8.50
Skim and buttermilk, cwt.	1.50
Whole milk, cwt.	3.00
Corn silage, ton, & sorghum silage.	
Grass silage, ton	
No preservative added	
Preserved with 70-100 lb. molasses.	
Preserved with 150-200 lb. ground corn.	
Clover and mixed hay)	20.00
Cowpea hay) Add $5 per ton.	18.00
Soybean hay) for baled hay	19.00
Alfalfa hay) and straw	22.00
Timothy hay)	19.00
Corn stover, ton.	11.00
Oat straw, ton.	12.00

Pasture Rates*

Calves and colts, 6 to 12 months old, 6 cents/head/day
Calves and colts, 12 to 24 months old, 8 cents/head/day
Cattle, 24 months and older, 13 cents/head/day
Pigs, 50 to 100 pounds, 1/4 cent/head/day
Lambs up to weaning, 1 cent/head/day
Sheep or lambs after weaning, 2 1/2 cents/head/day

* For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

+ High moisture corn to be discounted at the rate of 1¢ for each 1/2% moisture in excess of 15.5%.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

Volume 18, Number 5

December 1959

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

INDEX

VO-AG SERVICE

Announcements & Notes

Soil Structure Samples. We have prepared about 100 sets of soil structure samples. Each set includes samples of angular blocky and sub-angular blocky aggregates in separate plastic boxes. The samples have been treated with plastic to help preserve them, and each plastic box is labeled with the appropriate structure name. We have no immediate plans for making additional sets, but will distribute what we have as long as our supply lasts. Price per set is 15 cents, f.o.b. Urbana.

E.L.K.

Soybean Variety Samples. We have prepared about 120 sets of soybean variety samples. Each set contains the following eight varieties: Chippewa, Hawkeye, Harosoy, Lincoln, Lindarin, Adams, Shelby, and Clark. Each variety is enclosed in a labeled plastic container. The price per set is 60 cents, f.o.b. Urbana.

E.L.K.

Illinois Purebred Sheep Breeders Association. The following announcement was received from Professor Garrigus on November 4, just a few days too late to include in the November AIDS. We understand that teachers have previously received sale catalogs, and so perhaps this notice will simply serve to remind you of the sale:

> "As usual the University will be host to the annual statewide bred ewe sale of the IPSBA on Saturday, December 12. This event provides a unique opportunity to compare breeds and breeders' offerings in adjacent pens in the excellent facilities in the University Stock Pavilion.
>
> "An inspection of all sheep will take place beginning at 9:00 a.m. followed by the sale at 1:00 p.m." U.S.G.-M.E.

Guest Day -- Error in Date in November AIDS. On page 2 of the November issue of the Vo-Ag AIDS we gave the date of Agricultural Guest Day at the University as April 7. That date was incorrect. The Guest Day is the last day of the Farm and Home Festival, which is Saturday, April 2. M.E.

Errors in Assembling Units. A letter calling attention to an error has been sent to each person who placed advanced orders for units to be released during the 1959-60 school year. In some copies of the units, two of the same 4-page spreads were inserted and one was omitted. Teachers getting copies of the new units this year should carefully check the pages and notify us immediately if they find any mistakes. Extra pages should not be returned.

This notice will serve as a reminder to teachers who received the form letter regarding the mistake. It will be necessary to rerun some of the spreads, and that will be done in the near future. Corrections will be made as soon as possible after the reruns are available. M.E.

June Conference Dates. Our attention has been called to the fact that June Conference dates were not included in the supplemental release that accompanied the November AIDS. Those dates are June 14, 15, and 16, 1960. M.H.

Slidefilm - How and Why Do Soils Differ? - T-709. This slidefilm is now ready for release. The price is 88 cents, f.o.b. Urbana. It was prepared in cooperation with Professor R. T. Odell of the Department of Agronomy, primarily to accompany a 30-minute tape recording prepared by Professor Odell; Kermit Esarey, vocational agriculture teacher at St. Joseph; and Jim Welch, St. Joseph farmer. The price of the tape is $3.50 unless you are a tape of the month subscriber, in which case it is $3.00. If you furnish your own tape for us to dub, subtract $2.00 from the above prices. E.L.K.

Unit 4033 Change. The original references used for preparing Unit 4033 indicated that combining of soybeans could start when the beans had a moisture content of about 14 percent. It has been called to our attention that 13 percent is the maximum moisture for No. 1 market beans. Therefore, the Agronomy Department suggests that the first sentence under Part 6 on page 5 of Unit 4033 (Growing Soybeans) be changed to read: "Combine soybeans after the moisture content of the beans gets to 13 percent or below." The original copies read "14 percent."

We will make this change in future printings, but those who already have copies of the unit may wish to write it in. E.L.K.

Junior Department Changes at 1960 State Fair. Mr. V. E. Burgener has suggested that we include the following announcement in the AIDS:

1. No Red Polled classes will be included in the Junior Department at the 1960 State Fair.

2. Livestock entries for the 1960 State Fair Junior Department will close on August 1.

3. No animals will be penned or stalled before 8 a.m. on Thursday, August 11.

4. All beef must be in place by 8 a.m. Friday, August 12.

5. All swine must be in place by 8 a.m. Saturday, August 13.

6. All dairy and sheep must be in place by 8 a.m. Sunday, August 14.

7. Junior Department exhibitors must register into the dormitory on or before the day the animals they are exhibiting are required to be in place.

8. All lambs must be lambed as the property of the exhibitor after September 1, 1959.

9. Girls will be eligible to enter the sheep-blocking contest.

10. Single barrows shown in the Junior Department must weigh at least 170 pounds.

11. A pair of barrows will be shown in place of a pen.

12. All beef steers should be tested for tuberculosis and brucellosis. Otherwise they will be tied in isolation.

13. All animals housed in the Junior Livestock Building may be taken to the open-class barns for exhibit only. No Junior Department animals may be left in tthe open-class show barns overnight.

Composite Orders. If our records are correct, all composite orders for sets of slides and tractor maintenance items ordered prior to October 15 have been shipped. We are now (Nov. 24) starting to fill orders for the small engine kits. Barring some unexpected delays, all orders for those should be filled and shipped by the time you receive this issue of the AIDS. If you had ordered any of the foregoing items and have not received them, please let us know at once. M.H.

Help for Adult and Young Farmer Classes. Dr. Earl Spurrier, formerly of the Agronomy Department of the University and now with the Monsanto Chemical Company, has asked us to make the following announcement:

> "The Monsanto Chemical Company of St. Louis, Missouri, a basic producer of post- and pre-emergence herbicides, is willing to cooperate with adult and young farmer programs by providing qualified speakers to discuss chemical weed control for a limited number of meetings. Requests should be made at least 30 days ahead of the scheduled class. It is suggested that several alternate dates be suggested."

If you are interested in getting a speaker for one of your sessions, please write to:

Dr. Earl C. Spurrier
Technical Sales Specialist
Monsanto Chemical Company
Agricultural Chemical Sales
St. Louis 66, Missouri

E.L.K.

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

Please accept my order for the following:

_____1 set soil structure samples at 15¢ ea., f.o.b. Urbana _____

_____1 set soybean variety samples at 60¢ ea., f.o.b. Urbana _____

_____Slidefilm - How and Why Do Soils Differ? T-709 - 88¢ _____

_____Please send one filmstrip on "Narrow Row Soybeans" at a cost of $1.25.

_____Please send one tape recording (600-foot reel) to accompany the filmstrip on "Narrow Row Soybeans" at a cost of $2.50, f.o.b. Urbana.

_____I am sending a tape - Please put the discussion on "Narrow Row Soybeans" on my tape at a cost of $1.00.

_____
School

_____
Teacher

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

USING ELECTRICITY ON THE FARM, by J. Roland Hamilton. 1959, $5.00. Prentice-Hall, Inc., 70 Fifth Avenue, New York 11, New York.

According to the preface: "Using Electricity on the Farm is a simplified reference and how-to-do-it guide for agriculture students, club workers, and farm people. It is built largely around practical ideas for using electricity to improve the farm, with instructions on how to plan and do each major job. The abundance of illustrations and simplified examples in the book make it easy to read and understand.

"The text consists of six problem-units dealing with the following phases of farm electricity: (1) opportunities in using electricity to improve the farm; (2) common everyday principles of electricity for the farm; (3) farmstead wiring; (4) electric motors for the farm; (5) water pumps and lighting for the farm; and (6) electric farming equipment."

Filmstrip and Tape Recording on "Narrow Row Soybeans." Professor J. W. Pendleton of the Agronomy Department has suggested that vocational agriculture teachers may be interested in a colored filmstrip on "Narrow Row Soybeans." The filmstrip may be used with a printed script made to accompany it, or tape recordings will be available. The filmstrip is approximately 34 frames and the recording will probably be less than 15 minutes.

This material has been prepared by the Agronomy Department in cooperation with the photographic section of the Extension Editorial Office. It presents research results and farmers' experiences in raising soybeans in narrow rows. The January, 1960, issue of Illinois Research will carry an article on this same subject.

The cost of the filmstrip will be $1.25. Tapes will be available on 600-foot reels at approximately $2.50, f.o.b. Urbana, if we furnish the tape, or if you send us a tape, the price will be $1.00, f.o.b. Urbana. You may send either a 600- or a 1200-foot tape for dubbing.

Orders must reach Vocational Agriculture Service by December 31, since orders for teachers are to be placed at the same time as orders for extension personnel. No plans are being made to repeat this offer, so be sure to get your order in by December 31, if you wish this material. E.L.K.

AGRICULTURAL EDUCATION NEWS

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

Improving Guidance in Agricultural Education. At the Section 23 vocational agriculture teachers meeting (to which were invited administrators and school guidance directors), one administrator made the comment that he supposed all vocational agriculture teachers identified potential college students as early as possible in order to make certain that they took the courses required for admission to college. This school administrator, as did several others, reported that it was possible for boys to meet college admission requirements and still enroll in vocational agriculture for four years if they wished to do so. Whether or not boys have reached a decision regarding college attendance by the time they are freshmen or sophomores in high school, the scholastically capable students should be helped to plan programs that will permit them to enter college. Many boys and their parents do not consider graduation from high school sufficient education even when they are positive the boys will take over the home farms as soon as they finish school.

One thing all vocational agriculture teachers can do is to find out whether their scholastically able freshmen and sophomores are following high school programs that will permit college attendance plus continued enrollment in vocational agriculture for those who so disire.

Your own administrator and guidance director can advise you as you check the programs of your students. The following items from the statements on requirements for admission to the University of Illinois[1/] typify what to look for at this time in the high school programs:

1. The Dean of Admissions and Records is authorized to admit, without adhering to the usual requirements as they pertain to majors and minors, an applicant whose rank in scholarship is in the upper 50 percent of his graduating class. Such a student, however, must present those specific high school courses that are prerequisite to courses in the curriculum which he wishes to enter in the University.

2. Fifteen units of acceptable secondary school work are required, including: Two majors and one minor from the following five fields: English, foreign language, mathematics, science, and social studies. One major must be in English. A major is three units; a minor is two units.

   A total of at least nine units from the five fields named above.

   All subjects required for the curriculum to be entered.

1/ From University of Illinois Bulletin on Undergraduate Study, 1958-59.

The University realizes the obligation of the high school to meet fully the needs and interests of all pupils. It, therefore, believes that high schools should offer courses in such fields as agriculture, art, commerce, home economics, industrial arts, and music, and it accepts them as electives for admission.

3. Subjects required for admission to the College of Agriculture, University of Illinois, are: English, 3 units; algebra, 1 unit; geometry, 1 unit.

Subjects required for admission to other curricula can be found in the University Undergraduate Study Bulletin. Since subject requirements are different for the various curricula, careful checking on this point is necessary.

Examples of programs followed by students in high school that permit them to enroll in vocational agriculture in addition to meeting college admissions requirements are many. The order and arrangement of courses for a particular school will vary depending on the total program of the school.

The following example of a program was recently secured from the superintendent of a small Illinois high school:

Most Common Program of Classes for Boys

Freshman	Sophomore
* English I	* English II
* Algebra I	Geometry (Plane)
* General Science	* Biology
Agriculture I	Agriculture II
Junior	**Senior**
* English III	* English IV
* U. S. History	Chemistry
Typing	World History
Agriculture III	Agriculture IV
** Spanish I	** Spanish II

* Required subjects.
**If these two are taken, students will also have the two units of foreign language required by some of your colleges.

Now let us check the program against the requirements listed earlier.

1. Two majors from five fields named - English (required) and science.
2. One minor from five fields named - mathematics.
3. Total of nine units from five fields named - English, 4; science, 3; mathematics, 2; social studies, 2; and Spanish (if taken), 2. Total, 11 or 13 units.
4. Subjects required for curriculum to be entered - College of Agriculture (used to illustrate) requirements: English, 3 units; algebra, 1 unit; geometry, 1 unit. All requirements met.

5. Our check of the program shows that there will be no need to consider use of the possibility for waiving the requirements for majors and minors.

6. A total of 15 acceptable units - the program provides for 16-18 units.

The time to do the checking on the high school programs of your students is while there is still opportunity to make adjustments. Why not start now?

A.H.K.

Second Semester Courses. L. J. Phipps will offer Education 473, Vocational Education in Agriculture for Adults, on campus on Mondays, 7:00 to 9:00 p.m., during the second semester. H. M. Hamlin will offer Education 448, Adult Education, at the same time. The first class meeting will be on February 15. Regular registration time for graduate students is February 8 to 10. H.M.H.

Deyoe on Sabbatical Leave. G. P. Deyoe will be absent from the University from January 1, 1960, until the opening of the summer term while taking the equivalent of a semester's sabbatical leave. While on leave, Dr. Deyoe will be studying changes in agriculture and their effects upon agricultural education. H.M.H.

Phipps at National Research Conference. L. J. Phipps was one of 42 persons from various parts of the United States attending a conference on research in vocational education at Washington, D. C., October 28 to 30. Twenty from the U. S. Office of Education also attended. The conference was called jointly by the American Vocational Association and the U. S. Office of Education, primarily to consider how vocational educators could better take part in the research conducted by the Office of Education in cooperation with colleges, universities, and state departments of education. Congress has made $4.7 million available for cooperative research in the current year. H.M.H.

Student Teaching. Twelve seniors are engaged in student teaching in agriculture from November 2 to December 11. Student teaching is being conducted in the following schools: Armstrong, Gibson City, Mahomet, Minonk, Neoga, and Waverly.

H.M.H.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

Doesn't any one of the sections in our state do enough to warrant letting me know of it? In three months I haven't had a bit of news from anyone.

In my own section we are undertaking to add to and subtract from the existing fairs and contests. We could use some information for our committee.

Mr. Robert Vogen at Marengo would like to give someone a 30-Minute Club certificate. To help him along here are the themes for our agricultural education magazine:

January--"Vocational Education - Farm Mechanics and a Changing Agriculture"--Adjusting the farm mechanics program to changes in farm mechanization; determining what should be included in farm mechanics; farm mechanics in farming programs; determining emphasis to be placed on farm mechanics in the total vocational agriculture program.

February--"Vocational agriculture--Agriculture College Relationships"--Institutions beyond high school offering agricultural education; effects of high school vocational agriculture programs; preparation for teaching vocational agriculture; role of agriculture colleges and vocational agriculture programs in adoption of new practices by farmers.

Hope to see many of you in Chicago at AVA.

Harold Drake
President, IAVAT

Agricultural Education Cooperation in Guidance Services

Each year the Illinois supervisory and teacher-training staffs in agricultural education, in cooperation with the teachers of vocational agriculture, plan to give special emphasis to improving a selected phase of the vocational agriculture program. This emphasis is in keeping with the current national concern regarding guidance in agricultural education, particularly information about agricultural occupations.

Although the supervisory staff would ordinarily discuss the special effort to improve the guidance phase of the vocational agriculture program with you at a regular visit, it was thought that a special letter of explanation would be appreciated and would better enable you to provide valuable suggestions as to things which might be done during the year.

The major objectives of the guidance emphasis are (1) to help students make sound educational as well as vocational plans and (2) to find and implement ways in which the vocational agriculture teacher can contribute to and cooperate with the total guidance program of the school. The activities to accomplish these objectives are still in the planning stage. It is hoped that the effort will culminate in special meetings or workshops for teachers of vocational agriculture on techniques and materials for teaching students about agricultural occupations. The entire effort will be toward helping teachers do better that which they must do anyway rather than to suggest additional responsibilities.

Steps have been taken to develop cooperative activities at the state level, including the joint staffs in agricultural education, state supervisors and teacher trainers, and C. A. Michelman, Chief, Occupational Information and Guidance Service, relative to this project. It is the desire, also, that there be complete cooperation of local agriculture teachers with counselors and other members of the school staff in furthering a balanced program of guidance services in the schools.

Your encouragement and suggestions regarding this effort to improve the guidance phase of the vocational agriculture program are needed for its success.

* * * * * * * * * * * *

The above letter was sent to high school administrators in the state with vocational agriculture departments, and copies were sent to teachers of vocational agriculture by Herbert R. Damisch, Chief, Agricultural Education. I hope you have read it and will do something about it. The guidance program should have the active support of every agriculture teacher in Illinois. It has the backing of not only the joint staffs in agricultural education, but your own organization, the IAVAT.

Harold Drake

November 20, 1959

PRICE LIST OF FEEDS[1]

The 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 ton in dollars
[2] Corn, bu.	$ 1.02
Corn, ground, bu.	1.12
Oats, bu.	.70
Oats, ground, bu.	.80
Barley (feed), bu.	1.03
Barley, ground, bu.	1.13
Sorghum grain, cwt.	1.55
Garbage and kitchen waste, ton.	8.50
Skim and buttermilk, cwt.	1.50
Whole milk, cwt.	3.00
Corn silage, ton, & sorghum silage.	
Grass silage, ton	
No preservative added	
Preserved with 70-100 lb. molasses.	
Preserved with 150-200 lb. ground corn.	
Clover and mixed hay)	20.00
Cowpea hay) Add $5 per ton.	18.00
Soybean hay) for baled hay	19.00
Alfalfa hay) and straw	22.00
Timothy hay)	19.00
Corn stover, ton.	11.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

2/ High moisture corn to be discounted at the rate of 1¢ for each 1/2% moisture in excess of 15.5%.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

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University of Illinois
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Illinois State Board of Vocational Education

INDEX

VO-AG SERVICE

Announcements & Notes

Business Reply Cards and Envelopes. About a year ago we stopped distributing business reply cards and envelopes. Undoubtedly some of those distributed previously are still unused. Our permit will expire on August 31, 1960. We do not plan to renew the permit after that date. Consequently, if you still have any cards or envelopes, please use them prior to the date indicated. M.H.

Our Apologies and Thanks. Following release of the December AIDS, we received an unprecedented number of orders for safety material and slidefilm listed therein that completely exhausted our supply before we had time to secure additional copies. We have now reordered and received additional prints, and before you receive this issue of the AIDS we should have completed and mailed the additional copies of the safety materials that were requested. We have rerun 3,000 copies, which we hope will enable us to fill orders as they are received. We apologize for the delay but do appreciate knowing that these items apparently met the approval of the teachers. M.H.

Statements for Agricultural Releases, Advance Orders for Slidefilms, and Tape-of-the-Month. One statement has been sent on open-account orders to those schools which at the time had open-account charges totaling $5.00 or more. Unless schools notify us to the contrary, we will from now on follow a policy of deferring billings on Agricultural Releases, advance orders for slifefilms, or Tapes-of-the-Month until the final charge for each item, including postage, can be included in the billing. In the past there has been some confusion because schools thought they were being billed two or more times for certain items, especially Agricultural Releases. That was because some statements carried the billing for certain months and other statements carried them for different months. To prevent that and also to put the entire billing for a given set of items on one statement, we will follow the procedure indicated. Charges on open accounts for various individual and unrelated items will be made from time to time as in the past. M.H.

Shipping Rates for United Parcel Service and Parcel Post. We have received several letters from teachers and school administrators saying that they assume shipping costs are higher on materials sent by United Parcel Delivery Service and suggesting that, since they are paying such costs, shipment be made by parcel post. Actually the shipping costs are identical. We have found that we get much better service on deliveries by United Parcel Service and, in addition, each shipment is automatically insured at no increase in cost. Insurance on parcel post shipments is extra. Since several schools have written, we thought it advisable to make this announcement. M.H.

Farm and Home Festival. Dates for the Farm and Home Festival are March 31, April 1 and 2, 1960. Saturday, April 2, has been designated as AGRICULTURE STUDENT GUEST DAY.

Vocational agriculture teachers will receive detailed information about the FESTIVAL during February and March. Dean Karl E. Gardner is sending a letter to vocational agriculture teachers giving details of Agriculture Student Guest Day program.

Again this year we will send posters designed to help vocational agriculture teachers promote the FESTIVAL with their students. R.F.E.

FFA Roadside Signs. All FFA roadside signs that were returned to our office for reconditioning prior to the deadline date of December 1 have now been sanded and sent to Pontiac for repainting and relettering. As of this date we do not know when they will be returned but will carry an announcement in the AIDS if they are returned in time to ship prior to the coming June Conference. Chapters that failed to return signs for reconditioning prior to the deadline date will please not send them at this time, since we have signs reconditioned only once during each school year. M.H.

Electric Wire Samples. In cooperation with the Illinois Farm Electrification Council Vo-Ag Committee, we have made up kits of samples of the various kinds and sizes of electric wire and cables that are important in farm wiring. Each kit contains 21 different foot-long samples with printed information describing each type. These kits are for loan to schools and are now being included in the loan boxes of electrical wiring supplies. If you have already used a wiring kit this year, or have one now that did not contain one of these sets of wire samples, you may obtain one to use for a reasonable time by requesting it. Shipping charges can be added to your open account. J.W.M.

New Publications. Three College of Agriculture publications that have reached our office since the last issue of the AIDS are Circular 810, "Save Soil With Grass Waterways"; Circular 812, "Lumber Rigid Frames for Farm Buildings"; and Bulletin 647, "Economic Performance of Commercial Laying Flocks on Illinois Farms." The two circulars have been sent to Agricultural Release subscribers along with the January releases. Because of the limited interest that many of our teachers would have in Bulletin 647, it was not included with the releases. Copies are available through the regular procedure. M.H.

New Slidefilms. Three new slidefilms are available, and prints of each have already been sent to the more than 130 teachers who placed advance orders for slidefilms to be released during the 1959 school year.

Slidefilm 340, "The Illinois Crop-Share Cash Farm Lease," contains 38 frames and illustrates the various parts of the Illinois Crop-Share Cash Farm Lease. The various parts have been filled in as they might apply on a sample Illinois farm. As the "filled-in" parts are shown, further discussion follows. The five legal essentials are noted as they occur throughout the lease. Suggestions are made that should help to provide for a fair means of dividing income and expenses and for better understanding between landlord and tenant. The slidefilm is available in single frame only, black and white, at $1.11, f.o.b. Urbana.

Slidefilm 350, "Starting to Keep Records," contains 57 frames. It tells how to start keeping farm records and the major purposes of helping to bring about improvements in the farm business or farming program. Steps preliminary to record-keeping, such as completing business agreements, production plans and goals, and budgets, are covered. Inventories and depreciation schedules are set up. Pictures of FFA members and illustrations from "Records of My Farming Program" are used in presenting the material. The slidefilm is available in color and single-frame only at $2.54, f.o.b. Urbana.

Slidefilm 790, "Preparing and Using Soil Monoliths," describes three methods that teachers and students may use for preparing sections of soil profiles--called soil monoliths. Teachers have often found monoliths valuable for making displays and for using to study soils. They provide a convenient way to study soils in the classroom during any kind of weather and during evenings when it is difficult to get into the field. Once you dig a hole, you can take a monolith and

save yourself a lot of digging the next time you want to study the same soil. Monoliths provide a means for moving soils next to each other for comparison, such as timber and prairie soils. If you are not a subscriber to the advance orders for slidefilms, you may wish to order a copy. Use the order blank in this issue. Black and white prints in single-frame are $1.83, f.o.b. Urbana. Prints are not available in double-frame. E.L.K.

Safety Rules for Power Tools. Included in the January Agricultural Releases is a sample of one of the nine safety placards for mounting on or near the various power tools in the farm machine shop. These cards were prepared because many of the teachers who answered the shop-safety questionnaire last year indicated a need for them. The sample is printed on ordinary paper in order that you can see what they are like, but the actual placards will be printed on 110 lb. card stock and will be enclosed in a clear acetate envelope with eyelets for hanging or mounting. These will be available from Vocational Agriculture Service at 15 cents each, or $1.25 for the complete set of nine, f.o.b. Urbana. We will defer ordering the acetate envelopes and running the placards until we have an idea of the number that will be needed to fill orders. Consequently, we suggest that, if interested, you notify our office prior to February 1. We will try to make delivery as soon after that date as possible. The nine power tools included are tilting arbor saw, radial arm saw, portable electric saw, band saw, jointer, grinder, drill press, arc welder, and oxy-acetylene welder. J.W.M.

Soils Demonstration Handbook. We have prepared copies of a handbook entitled "Soils Demonstrations." It describes 42 demonstrations that may be used to help students understand soils and soil management. It was prepared primarily for Illinois teachers of vocational agriculture, but teachers of science and out-of-state teachers may also find it helpful in planning soils demonstrations. A single copy is being sent with each set of January Agricultural Releases. If you wish additional copies, or if you are not an Agricultural Release subscriber, copies are available from our office at 35 cents, f.o.b. Urbana, as long as our present supply of 75 copies lasts. Use the order form at the back. We do not plan to rerun the publication. There is a possibility that after a sufficient number of teachers use the material it may be revised and reprinted if there seems to be a need. E.L.K.

Soils Demonstration Kit. To help the busy agriculture teacher obtain soils demonstration materials, we will make up kits of flannelgraph and laboratory demonstration materials for use with the "Soils Demonstration Handbook." A list of the items to be included in the kit is being sent with each handbook. Each complete kit will include (1) more than 70 flannelgraph illustrations, (2) sheets of flocked paper and adhesive coating on one side for completing the illustrations, (3) 1 yard of flannelboard flannel, and (4) laboratory supplies for many of the demonstrations included in the handbook. Use the order blank in the back of this issue to order any of these items. We will accept orders until February 15. After that date we will order sufficient materials to make up the kits for those ordering. E.L.K.

Standards for Measures of Efficiency for 1959. This item is being enclosed in the January Agricultural Releases. You may want the "Standards" for comparing with results obtained by students. We still have about 100 copies which we will distribute at 5 cents each. Please limit your orders to two per teacher. J.H.H.

Small Engines. Early in November we wrote to various manufacturers of small engines and asked them to list any materials or equipment they have available

for schools that include a unit on small engine maintenance and repair in their teaching programs. Following is a summary of the information we have received to date:

Briggs and Stratton Corp. - 2711 North 13th St., Milwaukee 1, Wisconsin

Will furnish one engine of their choice at no charge to schools having a regular course in small engines (repeated each semester or each year). Additional engines furnished at 50% off list price.

Will provide quantity copies of 32-page publication," General Theories of Operation," and 80-page publication, "Repair Instructions," at no charge. Will also provide a set of 17" x 24" turnover charts.

Write to Mr. J. M. Gerathy, Service Engineer, at above address.

Clinton Engines Corporation - Maquoketa, Iowa

Will furnish a two-cycle or four-cycle reject engine at no charge except freight from Maquoketa, Iowa. Requests must go through Clinton Central Warehouse Distributor for the area in which school is located. Two such distributors are:

Illinois Auto Electric Company 2011-37 Indiana Avenue Chicago 16, Illinois	Borbein-Young and Company 3663 Forest Park Boulevard St. Louis, Missouri

The foregoing sources will also provide single copies of the following publications for reference:

"A Handy Guide to Clinton Engines"

"Operation and Maintenance of Clinton Engines" (Owners' instruction manuals)

Maintenance Section of Engine Service Manual (available after January 1, 1960)

Cushman Motor Works, Inc. - Lincoln 1, Nebraska

Will furnish descriptive literature and instruction book and parts list for various models of engines.

Write to O. J. Wisbey, Manager, Parts and Service Department.

Jacobson Manufacturing Company - 747 Washington Avenue, Racine, Wisconsin

Will furnish 2-cycle engine mounted on wooden base for $15.00, f.o.b. Racine.

Will also furnish copies of engine parts listed, colored chart showing cut-away view of engine, and sheets showing engine specifications, tolerances, and clearances.

Write to E. W. Schutz, Service Department, at above address.

Kohler Co., - Kohler, Wisconsin

Will furnish instruction folders at no charge covering current Kohler engines now in production. Overhaul manuals for specific models may be secured at $1.00 each.

Write to T. R. Schneiderhan, Engine and Electric Plant Service Department.

Lauson-Power Products - 1043 N. 13th Avenue, Grafton, Wisconsin

Will furnish the following items:

Lauson 4-cycle engines	$18.00 each, f.o.b. factory
Power Products 2-cycle engines	$14.00 each, f.o.b. factory
Set of 100 colored training slides	$25.00
Lauson special tool kit	$10.00
Power products special tool kit	$ 7.25
Lauson-Power Products Combined Master Service Manual	$10.00 (price includes perpetual upkeep)

Write to above address for special order blank.

Lawn-Boy, Lamar, Missouri

Will furnish "school" engines at net price of $5.00 each. These engines will run but are built from used and reject parts. Will also furnish quantity copies of owners' manuals with these engines and booklets entitled "2 or 4 Cycle Engines."

Lawn Boy Service Manual is available in heavy-duty post-type binder at cost of $10.00.

Write to Kenneth W. Howard, Service Office Supervisor, at above address.

J.W.M.

Additional Surveying Kits to Be Available. Vocational Agriculture Service has purchased enough additional surveying equipment to provide one kit for every two sections. These kits are now being assembled and will be ready for use by the beginning of the 1960-61 school year. In fact, part of the kits may be ready for use this spring.

It is our plan to make surveying kits available to even-numbered sections in 1960-61, to odd-numbered sections in 1961-62, and so on.

One-day courses will be made available in those sections desiring to have a surveying kit. The kit will then be available for use only by teachers who have participated in the training course.

If yours is one of the even-numbered sections and you would like to schedule a training course before the end of the present school year, send us the following information: suggested date (with one or two alternates), suggested location, and names of teachers who will attend.

This may be done at the June Conference if you wish the training course to be held during the summer or later.

Extramural Courses. Dean Karl E. Gardner of the College of Agriculture informs us that the following courses will be offered next semester if there is sufficient enrollment to justify them:

At East St. Louis

AGRICULTURAL ENGINEERING E381. Farm Electrical Equipment.
MEETINGS; East St. Louis High School, 4901 State Street, at 7:00 p.m. on Wednesday, beginning February 10, 1960.
INSTRUCTOR: Professors F. B. Lanham, F. L. Herum, and Donald R. Daum
CREDIT AND FEES: Graduate, one-half unit ---- $17.00
Undergraduate, three semester hours ---- $23.00.

At Freeport

AGRONOMY E301. Soil Survey with Emphasis on Illinois Soils.
MEETINGS: Freeport High School, Room ____, at 10:00 a.m. on Saturdays, beginning February 13, 1960.
INSTRUCTOR: Assistant Professor Lloyd J. McKenzie.
CREDIT AND FEES: Graduate, one-half unit ---- $17.00
Undergraduate, three semester hours ---- $23.00.

At Macomb

ANIMAL NUTRITION E301. Introduction to Animal Nutrition.
MEETINGS: Western Illinois University, Sherman Hall, Room 109, at 6:30 p.m. on Thursdays, beginning February 11, 1960.
INSTRUCTOR: Assistant Professor H. H. Draper.
CREDIT AND FEES: Graduate, three-fourths unit ---- $23.00.
Undergraduate, three semester hours ---- $23.00.

At New Berlin

AGRONOMY E306. Fertilizers and Their Soil Reactions.
MEETINGS: New Berlin High School at 5:30 p.m. on Wednesdays, beginning February 10, 1960.
INSTRUCTOR: Professor S. W. Melsted
CREDIT AND FEES: Graduate, one-half unit ---- $17.00
Undergraduate, three semester hours ---- $23.00.

At Olney

AGRICULTURAL ECONOMICS E324. Farm Operation.
MEETINGS: East Richland High School at 6:30 p.m. on Thursdays, beginning February 11, 1960.
INSTRUCTOR: Professor John E. Wills.
CREDIT AND FEES: Graduate, one-half unit ---- $17.00
Undergraduate, three semester hours ---- $23.00.

At Salem

ANIMAL SCIENCE E305. Genetics and Animal Improvement.
MEETINGS: Salem High School at 6:30 p.m. on Wednesdays, beginning February 10, 1960.
INSTRUCTOR: Associate Professor Benjamin A. Rasmusen.
CREDIT AND FEES: Graduate, three-fourths unit ---- $23.00
Undergraduate, three semester hours ---- $23.00.

At Sterling

AGRICULTURAL ENGINEERING E331. Function, Application, Adjustment and Management of Farm Machinery.
MEETINGS: Sterling High School, 1608 Fourth Street, at 8:30 a.m. on Saturdays, beginning February 13, 1960.
INSTRUCTOR: Assistant Professor Wendell Bowers.
CREDIT AND FEES: Graduate, one-half unit ---- $17.00
Undergraduate, three semester hours ---- $23.00 M.H.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In one case the book is a revised edition, and the other is a new publication.

Any of our books are available for review in our office by those interested. Further, 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 TAPES, SCRIPTS, AND TRANSCRIPTIONS. Sixth Annual Edition, 1960. $5.75. Educators Progress Service, Randolph, Wisconsin.

According to the publisher, "This SIXTH edition of the EDUCATORS GUIDE TO FREE TAPES, SCRIPTS, AND TRANSCRIPTIONS is completely revised. Of the 511 listings, 98 are new in this edition. The number of sources providing these vibrant teaching aids has nearly tripled since the first edition. These two facts bring into sharp relief the pressing demand for, and the tempo in the development of, these relatively newer types of educational materials.

"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."

HEREDITY: WHAT AND HOW WE INHERIT. Elmer Roberts, Ph.D., Professor of Animal Genetics, Emeritus, University of Illinois. $2.00. The Bookmailer, Inc., Box 101, Murray Hill Station, New York 16, N.Y. (86 pages).

Some of the chapters in the book are: "We do not receive all the hereditary material of the parents," "Heredity and environment," "Heredity and disease," "Inheritance of blood groups; blood groups and parentage," "List of inherited characters in man," "Planned parenthood services," and "Infertility services."

The following statement taken from the preface may give further insight into the nature of the publication:

"Heredity does play an important part in the formation of the new individual. It accounts, in fact, for most of the surface differences and many of the less obvious variations that we can observe between individuals in the human race. Blue eyes, brown eyes, dark skin, light skin--hundreds of other individual differences are passed on from generation to generation. This book will attempt to explain how heredity works, what we do know about it, and what we don't. It is written in the form of answers to questions which have been asked me during many years of work in this field." M.H.

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

Please accept my order for the following:

_____Single-frame print slidefilm 340, "The Illinois Crop-Share Cash Farm Lease," at $1.11, f.o.b. Urbana

_____Single-frame print slidefilm 350, "Starting to Keep Records," at $2.54, f.o.b. Urbana

_____Single-frame print slidefilm 790, "Preparing and Using Soil Monoliths." at $1.83, f.o.b. Urbana

* * *

_____Soils Demonstration Handbooks at 35 cents, f.o.b. Urbana

Please send the following kits as soon after February 15, 1960, as possible:

_____Kit 1 - Illustrations for flannelgraph items for the soils kit...$2.00 1/

_____Kit 2 - Laboratory supplies for soils demonstrations.....$12.00 1/

_____Kit 3 - 4 sheets of flocked paper with adhesive coating on one side (material of this type will be needed for completing illustrations included in kit 1).....$2.50 1/

_____Kit 4 - 1 yard of flannelboard flannel (this will not be needed if you have your flannelboard already made up).....$2.00 1/

1/ Prices given are f.o.b. Urbana.

* * *

_____Copies "Standards for Measures of Efficiency for 1959," at 5 cents each

* * *

Please send the following as soon after February 1, 1960, as possible:

_____Set of safety rules for the 9 following power tools (with acetate envelopes) at $1.25, f.o.b. Urbana

_____	Copies	safety	rules	for tilting arbor saw	$.15
_____	"	"	"	" radial arm saw	$.15
_____	"	"	"	" portable electric saw	$.15
_____	"	"	"	" band saw	$.15
_____	"	"	"	" jointer	$.15
_____	"	"	"	" grinder	$.15
_____	"	"	"	" drill press	$.15
_____	"	"	"	" arc welder	$.15
_____	"	"	"	" oxy-acetylene welder	$.15

_____

School

_____

Teacher

AGRICULTURAL EDUCATION NEWS

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

Improving Guidance in Agricultural Education. The December newsletter carried the first item in what is hoped will become a series of ideas teachers of vocational agriculture can use to improve their guidance work. The December suggestion described how teachers can help freshmen and sophomores plan their high school programs so that the problem of schedule conflicts between vocational agriculture and courses required for admission to colleges can be minimized. Now is the time to work on this problem. If your efforts lead to a recognition that the course scheduling conflicts mentioned above cannot be avoided under the present system for programming high school courses, at least you will have the basis for trying to get some changes made.

The second suggestion for your consideration is that of school faculty occupational tours. This idea is already being used by some teachers in various forms. If any programs of such tours are available, please send them to me so that one or two program can be used in this newsletter.

The suggestion for school faculty occupational tours involves a series of tours to acquaint the faculty with the work done by persons in the many occupations in the local community, not just with agricultural occupations. The vocational agriculture department could sponsor the idea and conduct the first one on agricultural occupations to demonstrate the value of such an activity.

The agricultural occupation tour should be carefully planned. It should include a variety of agricultural occupations representing a cross-section of education and training requirements. The tour should be planned so that the school faculty can actually see persons working at their jobs. For example, a veterinarian could be observed examining and treating an animal; a soil technician could be observed testing soil for acidity; a farm manager could be observed as he reviews a farm plan; a soil conservationist could be observed in the field as he is determining the size of a soil conservation structure. After a few minutes of this kind of observation, the group should be given time to ask the worker questions about his job, education and training requirements, and specific courses that would be of value in the occupation.

Such a tour, even if a day in length, could include only a few representative occupations. It would need to be scheduled at a time when the faculty is on duty, but when classes are not being held. In addition to helping teachers learn about the occupations represented in the community, it should help them do a better job of relating their instruction to the occupational needs of their students. It may take several months to make arrangements for such a tour. It isn't too early to start planning for a tour in connection with the fall teacher planning week. A.H.K.

Public Information Committee. H. R. Damisch is appointing a committee on public information to include representatives of the state staff in agricultural

education, Vocational Agriculture Service, the teacher-training departments at the University of Illinois and Southern Illinois University, and the IAVAT, with H. M. Hamlin as chairman. The purpose of the committee is to outline a program to supply the public with more adequate information about public school education in agriculture. This action is in keeping with the recommendations of the Committee on Public Information of the American Vocational Association, which were approved at the Chicago Convention of the AVA in December. H.M.H.

Adult Education Workshop. A workshop on continuing education for adults will be conducted by the University of Illinois College of Education as a one-unit graduate course occupying the full time of the students enrolled during the first four weeks of the 1960 summer session. Approximately half of the time will be given to adult education in general, and half to adult education in special fields. H. M. Hamlin will be in charge of the workshop. L. J. Phipps will conduct the special section for teachers of agriculture. Elizabeth Simpson will have a section for teachers of home economics. There will be other sections for such groups as administrators of adult education, business teachers, industrial teachers, and farm advisers. H.M.H.

Retrospect and Prospect. H. M. Hamlin was the speaker at the annual breakfast for teacher-trainers, attended by 80 of them, at the AVA Convention at Chicago on December 9. His talk, entitled "Retrospect and Prospect," dealt with the past, present, and future of public school education in agriculture. Copies are available from the Division of Agricultural Education. H.M.H.

The Illinois Finance Study. The Illinois Study of the Financing of Vocational Education is described in a five-page document available from the Division of Agricultural Education. It is a copy of a talk given by H. M. Hamlin before Region 4 of the National Vocational Agriculture Teachers Association at Chicago on December 5. H.M.H.

Life Membership to Hamlin. H. M. Hamlin has been awarded a life membership in the National Vocational Agriculture Teachers Association. He values this recognition very highly. H.M.H.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

Would all of you who are chairmen of committees meet with your committees in advance of the summer conference so that you can write up your reports and get them to Professor Henderson 60 days before the conference. If you can't do that, meet during the FFA Conference and give the report immediately to Mr. Henderson. If you can't do that, have your meeting on the 13th of June so that you can get the report done. If any points in your report need the consideration of our association members, have it arranged--perhaps in separate recommendations so that we can vote on them. All reports will be stapled together and given to each member. There will be no long reports.

Your Executive Committee has appointed Bob Vogen, Marengo, vice president. To replace Bob in District 2 as director, we have chosen George Forgey of Woodstock.

This is the official notice that we will vote on the proposed increase of $1.50 in dues. This will make our package deal $9.90.

It looks as if Agricultural Education is on the march in Illinois. Look for big things in the near future.

Don Barrett of Huntley was sold at slave auction for the benefit of the injured high school boy for the highest price of the day. Speaks well of what some citizens think of work done by our members. Don also supplied the entertainment for the Allis-Chalmers breakfast for NAVAT in Chicago.

Workshops in guidance and farm machinery will be held during the coming year. They will be similar to the farm machinery courses last summer.

All section chairmen and district directors should check their divisions for persons who have written magazine articles--for the 30-Minute Club Award. Ask for persons who are eligible for the 10-, 20-, 25-, and 30-year awards.

The handbook is again being amended. Page 26, Purposes, shall read: "To advise the Agricultural Education Divisions of the Colleges of Education at Institutions approved by the State Board for Vocational Education to teach vocational agriculture."

December 21, 1959

PRICE LIST OF FEEDS[1]

The 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 ton in dollars
[2] Corn, bu.	$ 1.00
Corn, ground, bu.	1.10
Oats, bu.	.72
Oats, ground, bu.	.82
Barley (feed), bu.	1.03
Barley, ground, bu.	1.13
Sorghum grain, cwt.	1.55
Garbage and kitchen waste, ton.	8.50
Skim and buttermilk, cwt.	1.50
Whole milk, cwt.	3.00
Corn silage, ton, & sorghum silage.	
Grass silage, ton	
No preservative added	
Preserved with 70-100 lb. molasses.	
Preserved with 150-200 lb. ground corn.	
Clover and mixed hay)	20.00
Cowpea hay) Add $5 per ton.	18.00
Soybean hay) for baled hay	19.00
Alfalfa hay) and straw	22.00
Timothy hay)	19.00
Corn stover, ton.	11.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

2/ High moisture corn to be discounted at the rate of 1¢ for each 1/2% moisture in excess of 15.5%.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

Volume 18, Number 7

February 1960

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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

INDEX

VO-AG SERVICE

Announcements & Notes

Choose Your Career in Agriculture. (Hoard's Dairyman). The booklet entitled "Choose Your Career in Agriculture" was received in time to announce in the January AIDS. But it was out of our folder at the time material for the January issue was prepared, and the oversight was not noticed until too late. Our apologies to the teachers and to Hoard's Dairyman.

"Choose Your Career in Agriculture" is an 8 1/2" x 11" publication of approximately 96 pages. Copies are available from W. D. Hoard and Sons Company, Fort Atkinson, Wisconsin, at 75 cents a copy. The following statement is taken from the inside front cover:

"All the careers in this book are directly or indirectly related to the dairy farm. These articles have appeared on the Young Dairymen's page in Hoard's Dairyman. The series started January 10, 1957 and were completed in the December 25, 1959 issue.

"You will find answers to most of the following questions in all 48 articles:

1. What does your work involve? Duties?
2. What experience, education, training is needed?
3. Why do you like your work?
4. How has your work been of value to other people? (Your company, community, state, nation)
5. What are the personal characteristics that are necessary to be successful in your work?
6. How many hours per week do you spend in your work?
7. What is the range in income for this work?
8. How much time is spent traveling? Percent of working days? Area traveled? Miles traveled?
9. What are the physical requirements?
10. Is your job secure? What makes it secure?
11. What was the turning point in your career?
12. How should anyone interested in this work make the necessary contacts for employment?"

Some of the 47 courses that are offered are dairy farmer, milk tester, artificial breeding technician, feed dealer, dairy breed fieldman, vocational agriculture instructor, county agricultural agent, and veterinarian. Teachers may wish to call this publication to guidance counselors and school administrators. This may be one way to overcome the notion that vocational agriculture is of value only to boys who are preparing to go immediately into farming. M.H.

1960 Listing of Vocational Agriculture Service Materials. We hope by February 1 to send each vocational agriculture teacher in Illinois a 1960 listing of items available from our service. It will be similar to the catalog released for the first time in 1959. Prices and other information in the listing will be official from now until further notice.

Copies will be sent to all vocational agriculture teachers in Illinois and will be available upon request and without charge to others who request them. If we are not able to mail them by February 1, they will be mailed on or before February 8. If you are a vocational agriculture teacher in Illinois and do not receive your copy within a reasonable time after that date, be sure to let us know.
M.H.

New Bulletins. Copies of Bulletin 648, "Relation of Wheat Acreage and Production to Wheat, Corn, Oat, and Soybean Prices in Illinois," and Bulletin 649, "Investigations of a Low-Cost Roof for Small Farm Buildings," have reached us since the last issue of the AIDS. Copies of each have been included in the February Agricultural Releases. Other teachers interested in securing single copies to review before ordering quantities can of course obtain them in the regular manner. M.H.

Farm and Home Festival. Vocational agriculture teachers will receive a copy of the second progress report on the 1960 Farm and Home Festival from Professor Kenton Kendall. The exhibits are to be made up cooperatively by several departments of the College of Agriculture. During February each vocational agriculture teacher will receive a large poster about the Festival. Additional information will also be forthcoming concerning Ag Student Guest Day. F.F.E.

Dairy Calf Sale. Again, as for several years in the past, we are indebted to Professor J. G. Cash for calling our attention to the Dairy Calf Sale. It is to be held Saturday, February 27, in the Stock Pavilion on the campus at Urbana and will start promptly at 11:00 a.m. Purchases will be limited to F.F.A. and 4-H members residing in Illinois. We understand that there will be about 90 calves of the following breeds: Ayrshire, Brown Swiss, Guernsey, Holstein, and Jersey.

Professor Cash informs us that sale catalogs have been or will be mailed to vocational agriculture teachers as soon as possible. If you need additional copie or other information, please write to Professor J. G. Cash, 336 Animal Sciences Laboratory, Urbana, Illinois. M.H.-J.G.C.

Additional Information Regarding Small Engine Material. As a result of the announcement in the January AIDS, we received a fine letter from Mr. T. R. Schneiderhan, Engine & Electric Plant Service Department, Kohler Company, Kohler, Wisconsin. The following excerpt is from that letter:

> "We find that we have omitted some of the information which we did not feel you would require.
>
> "Also available for complete maintenance information on Kohler engines is our Kohler Engine Service Manual which is a large post binder type manual and has complete overhaul, maintenance and parts section covering the four air-cooled engines, which we currently have in production. We have several engines which are about to be released which of course will be added to the manual. This book is similar to the manuals referred to by Lauson-Power Products and Lawn-Boy and we, too, charge $10.00 for the book. This includes a perpetual type upkeep, which means we will mail additional supplements to the manual when released on a no charge basis.
>
> "If someone on your mailing list would desire to have a reconditioned Kohler engine, it is requested that you have them contact the writer at Kohler, Wisconsin, and we in turn will quote them a special price on these engines."

M.H.

Extramural Courses for the Second Semester. Again we wish to call your attention to the list of extramural courses on page 6 of the January AIDS. Seven courses were included in that listing.

I think you realize that the number of courses to be offered in the future will depend at least to a certain extent on the response to courses now being offered. Consequently, if you are interested in seeing the extramural program broadened so far as agriculture is concerned, you may wish to give special attention to the offerings for the coming semester. M.H.

Safe Practices for Farm Shop Work. The order form that accompanied the Safe Practices material included with the December Agricultural Releases, indicated that individual pages of each of the items were available. But about 98 percent of the orders we have received have been for complete sets rather than individual sheets. Since the set of approximately 14 pages is priced at only 5 cents and practically all teachers are ordering on that basis, in the future we will handle only complete sets. Please disregard information issued previously to the contrary. M.H.

Shop Safety in Electricity. (C. R. Pearson, Vo-Ag Instructor, Sparland, Illinois). During the month Mr. Charles Pearson, vo-ag instructor at Sparland, Illinois, sent us some dittoed material that he has prepared and is using dealing with shop safety in electricity. With his permission we have duplicated the material and will include a copy with the February Agricultural Releases. We ran 35 or 40 more copies than were needed for Agricultural Releases, and any teacher may have one of those without charge upon request. M.H.

Soils Demonstration Handbook. This publication was announced on page 3 of the January AIDS. As indicated at that time, we do not plan to rerun it. As of this date, January 20, we have fewer than 30 copies. Teachers who want them should order immediately. M.H.

Soil Demonstration Kits. Page 3 of the January AIDS included an announcement regarding soil demonstration kits. In the same issue was an order form for use in ordering any of the four kits. We are accumulating orders, and as soon as possible after February 15 we hope to assemble the material necessary to fill the orders on hand. We do not expect to requisition additional items for the kits until July 1. Consequently, if you are interested in one or more of the kits and have not placed your order, please be sure that it reaches us by February 15.

M.H.

Standards for Measures of Efficiency for 1959. Since these items were announced in the January AIDS, we have received some orders for rather large quantities. In general, we have sent only one or two copies, since we believe these large quantities were ordered by mistake. We did not expect teachers to order a copy for each student. There is a 5-cent charge per copy; and if some teachers do want quantities, we will be glad to send them. M.H.

County Standards for 1959. We are indebted to Professor G. B. Whitman for the following information:

Farm advisers have been furnished with "Standards for 1959" to use in connection with the Extension Service project in simplified accounting and farm management by Professor George B. Whitman, state project leader.

In sending these "standards" to farm advisers, Mr. Whitman has suggested "that vocational agriculture teachers appreciate copies from you." If you would like copies for the counties in your school area, see or write to the farm adviser of your county.

The "standards" are set up for each county in Illinois and give the yields for corn, wheat, soybeans, and oats for highly fertile, average fertile, and low fertile soils for 1959; measures of efficiency for pork, poultry, and dairy production; and standards for labor and power and machinery costs for three types of farms ranging from 40 to 660 acres. J.H.H.

Supplement to IAVAT History. A copy of the IAVAT History supplement is being included with each copy of this issue of the AIDS sent to vocational agriculture teachers in Illinois. Those of you who have the original publication will note that the supplement has been trimmed so that it will fit inside the back cover. If you have the original IAVAT History material, you will probably wish to keep the supplement with that copy. We understand that additional copies of the original material are no longer available. M.H.

1960 Judging Contest Rules. We hope that by February 1 the rules for the 1960 State Judging Contest can be ready for mailing to all vocational agriculture teachers in Illinois. We feel certain that they can be mailed not later than February 8. If you do not receive your copy within a reasonable time after that date, please let us know. M.H.

1960 Market Day Programs. We are indebted to Mr. Ralph Guthrie for the following information regarding the 1960 Market Day Programs:

"Recently the dates for the 1960 National Stock Yards Vocational Agriculture Livestock Grading and Marketing Days were set. They are:

Sheep. . . . . .June 30, 1960
Swine. . . . . .July 21, 1960
Beef . . . . . .August 25, 1960

"An interesting and educational program is planned for each day. It is as follows:

"Before 6:00 a.m. C.S.T. Receiving and grading livestock. All animals, except cattle, will be unloaded at the regular chutes in the Sheep House. All cattle will be unloaded and checked at the Straight Cattle chutes at the northeast corner of the yards on First Street.

Before 7:00 a.m. C.S.T. Grading of livestock in the commission firm's regular selling pens.

7:00 - 9:00 a.m. C.S.T. Selling and weighing livestock by the regular commission company salesmen at designated commission firms' regular selling pens.

9:30 - 10:30 a.m. C.S.T. Livestock grading demonstration.

10:30 - 11:00 a.m. C.S.T. Luncheon.

11:15 - 1:30 p.m. C.S.T. Carcass demonstration, presentation of awards, and visit through packing plant, Swift and Company.

1:30 - 2:00 p.m. C.S.T. Radio Broadcast, KSTL. Report of the Market Day Program."

M.H.-R.G.

Swine Day. The Annual University of Illinois Swine Day is March 3, starting at 8:00 a.m. with tours of the University swine farm. The formal program begins at 10:30 a.m. in the University auditorium. Those who cannot drive to Urbana for the University meeting can attend one of seven area swine days. They are March 8 at Mt. Vernon, March 9 at Hillsboro, March 10 at Pittsfield, March 11 at Macomb, March 15 at Cambridge, March 16 at Milledgeville, and March 17 at DeKalb. The morning programs at the area meetings will be basically the same as the Urbana program. W.H.W.

Agricultural Engineering 331. Agricultural Engineering 331, Function, Application, Adjustment, and Management of Farm Machinery will be taught at the Sterling High School in Sterling, Illinois, starting on Saturday, February 13, from 8:30 to 11:30 a.m. The first session will be used for registration and a discussion of machinery costs and management. Following the first meeting of the class, there will be eight Saturday sessions of about six hours each, beginning in late March and continuing through next fall until corn harvest. Each of the six-hour sessions will be divided into a lecture and discussion period, followed by a three-hour laboratory session in which students will study the machines under field conditions, with heavy stress on a complete understanding of the principles of operation and adjustment.

Farm Lighting Training for Teachers. Vocational agriculture teachers will have an opportunity to learn more about farmstead lighting at the 1960 June Teachers Conference. "The Fundamentals of Lighting" and "Light Sources and How to Use Them" will be presented by the Illinois Farm Electrification Council. The IFEC Lighting Committee has agreed to prepare audio-visual aids that teachers can use with student or adult classes. The speakers will present illustrated talks and demonstrations, followed by discussion period. The Illinois Farm Electrification Council has agreed to make farm lighting teaching material available to vocational teachers who attend the June conference course and who wish to use them in their 1960-61 programs. H.H.B.-M.H.

NEW BOOK

The following book has been added to our library since the last issue of the AIDS.

Any of our books are available for review in our office by those interested. Further, 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 DRUGS IN CURRENT USE. Rudolph Seiden. 1960. $2.25. Springer Publishing Company, Inc., 44 East 23rd Street, New York 10, New York.

Since the January AIDS, we have received only one additional publication for our library. From the preface, entitled "Veterinary Drugs in Current Use," comes the following information:

"A multitude of facts and figures is condensed into this 'pocket book' which presents in alphabetical order the drugs--synthetic and natural pharmaceutical agents--used in the prevention and control of diseases of farm animals, including poultry, as well as of dogs and cats. The book is designed for quick reference by those who have the right to prepare or sell or use these drugs.... The common synonyms of all drugs have been included and cross referenced. All animal diseases for which drugs are recommended are briefly described in the alphabetical listing and are also cross referenced. Not all drugs listed under a disease are to be considered treatments; some have only a supportive value." M.H.

AGRICULTURAL EDUCATION NEWS

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

Improving Guidance in Agricultural Education. The December and January newsletters each contained a suggestion regarding guidance activities of particular importance to the future of vocational agriculture. These were:

1. Checking the high school programs of freshmen and sophomores to make sure they can meet college entrance requirements while taking all of the vocational agriculture they want.

2. Promoting school faculty occupational tours, starting with a tour of agricultural occupations.

What is your score to date regarding action on these two activities?

A third activity with which you will be asked to help is that of assembling information about various agricultural occupations in Illinois. Various teachers will be asked to secure information about a specific agricultural occupation in their communities. This information will be assembled in this office, duplicated, and made available to teachers.

To supplement this type of occupational information, a list of selected sources of agricultural occupational information and of agricultural occupation brochures is being prepared and will be available in the near future. A.H.K.

Entering Freshmen May Now Enroll in Vocational Agriculture Teacher-Training Curriculum. Last fall students entering the College of Agriculture, University of Illinois, were able to enroll immediately in the curriculum for preparing to become teachers of vocational agriculture and were assigned a faculty advisor from the Division of Agricultural Education. This change was welcomed by the division. Your help in bringing this information to the attention of the young men in your classes who are interested in preparing for teaching careers will be appreciated. A.H.K.

The Agricultural Education Magazine. We are more fortunate than many other teachers in having a professional magazine devoted exclusively to our own field, agricultural education. This mgazine provides a means of publication, for national consumption, of articles by all persons in the profession. It is, at the $2.00 subscription price, the best buy in a professional magazine that a teacher of vocational agriculture can obtain. As of January 1, 1960, there were 299 subscriptions to The Agricultural Education Magazine in Illinois, many of which were from libraries and state-level agricultural education staff members. This means that only half of our teachers of vocational agriculture are subscribing. The Agricultural Education Magazine serves as an excellent source of ideas for professional improvement; it is also a means for the close communication needed among members of

the profession to keep our profession strong. If you are not a subscriber, send your two dollars to the Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois, and ask that your name be added to the list of subscribers. You will be helping both yourself and the profession. A.H.K.

Assistantships and Fellowships. The Department of Education of the Graduate School of the University of Illinois has available assistantships that provide income to pay part of the costs of graduate study while in residence at the University. They may be awarded to persons who are working for master's degrees or doctor's degrees. Persons with the necessary qualifications may also apply for a University Fellowship or a Hackett or Wright Fellowship.

Information about assistantships and fellowships is available from Frank H. Finch, 105 Gregory Hall, or George P. Deyoe, 103 Gregory Hall, University of Illinois, Illinois.

In the Division of Agricultural Education, there are now two persons with part-time assistantships working for master's degrees, one person on a University Fellowship working for a master's degree, and one person on a Hackett Fellowship working for a doctor's degree. G.P.D.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

A Happy New Year from IAVAT. Let's make 1960 a profitable year for everyone with whom we come in contact.

Section 3 cooperated in compiling this newsletter. A form letter was circulated. It's amusing what some questions will mean to different people. One of the good suggestions brought forth is the fact that many people in a county are charged with agricultural education. It might be worth our while to consider the question: Are the people getting all the education they are paying for? Also can we justify the money allotted to our fairs as they are presently conducted? Maybe we had better get some organization started within the agricultural ranks. One of the members says he has a good position to fill that he's leaving. Has enough work that you won't be able to check at home to see if there will be any births in the foreseeable future. Allan Utech has had a nice article published on the storage of tools in the farm shop.

We received many fine thank-you letters from persons all over the United States for our part in the past IVA-AVA in Chicago. Much thanks goes to Mr. Damisch for his fine organization of events, as well as to other branches of IVA. It seemed that attendance from Illinois was very light.

One of our prominent magazines wrote and asked me: "What can we do to help build vocational agriculture as a profession, or what can we have others do?" That's a good question. Perhaps some of you have some suggestions. Let's have a few.

Harold Drake, President
Illinois Association, Vo-Ag Teachers

January 21, 1959

PRICE LIST OF FEEDS[1]

The 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.

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Barley (feed), bu.	1.05
Barley, ground, bu.	1.15
Sorghum grain, cwt.	1.65
Garbage and kitchen waste, ton.	8.50
Skim and buttermilk, cwt.	1.50
Whole milk, cwt.	3.00
Corn silage, ton, & sorghum silage.	
Grass silage, ton	
No preservative added	
Preserved with 70-100 lb. molasses.	
Preserved with 150-200 lb. ground corn.	
Clover and mixed hay)	21.00
Cowpea hay) Add $5 per ton.	19.00
Soybean hay) for baled hay	20.00
Alfalfa hay) and straw	23.00
Timothy hay)	20.00
Corn stover, ton.	12.00
Oat straw, ton.	13.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

2/ High moisture corn to be discounted at the rate of 1¢ for each 1/2% moisture in excess of 15.5%.

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VO-AG SERVICE

Announcements & Notes

Changes in Personnel in Vo-Ag Service. Probably most vocational agriculture teachers know that Professor J. W. Matthews left on February 1 for a period of approximately 18 months in India. He is to return to Vocational Agriculture Service on September 1, 1961. Mr. R. F. Espenschied has been appointed to fill the half-time position that Professor Matthews held with Vocational Agriculture Service, as well as the half-time position that he held with Agricultural Engineering.

As a result of changes in Mr. Espenschied's appointment, he will have virtually no time to work on visual aids materials. Mr. F. W. Steffen, who until recently has been a partner in the Techniprint Film Laboratory in Champaign, has been employed to assist in developing slidefilms. He is to be with us until the end of the fiscal year (June 30, 1960), and whether he remains longer will depend partly on the response we get from our teachers in advance orders for slidefilms to be released during the 1960-61 school year.

Mr. E. L. Knake, who received the Ph.D. degree in February, has been appointed to a full-time position as assistant professor in field crops extension in the Agronomy Department. Mr. Roger Courson, who is now teaching vocational agriculture at Henry, Illinois, has been recommended for the position vacated by Mr. Knake. Mr. Courson was awarded a B.S. degree with high honors from the University of Illinois in 1953. In addition to having considerably more than the average amount of undergraduate work in the plant science field, he received his M.S. degree with a major in Agronomy. His appointment will probably become effective on September 1, 1960, although we hope that he may be able to join our staff by July 1.
M.H.

Surveying Kits (and Courses). We have now made up additional surveying kits sufficient to bring our total number to 13. We now have enough kits to make one available to each even-numbered section in one year and to each odd-numbered section the next year. Beginning in September 1960, we will make the kits available to the even-numbered sections desiring them.

One requirement for using the kits will be attendance at a special one-day training course. First choice in selecting available dates will be given to the even-numbered sections. Already several sections have arranged dates for the coming spring or summer. The further those in advance sections can submit their choice, the less difficulty they may have in fitting into Mr. Espenschied's schedule. M.H.

Reconditioned F.F.A. Roadside Signs. The 23 sets of reconditioned F.F.A. roadside signs are now ready for distribution. The chapters that are concerned have been notified. We shall probably follow a similar procedure next year and hope that chapters that have signs that need reconditioning will watch for the announcement. We have been told by persons who travel throughout Illinois that a number of signs are in need of reconditioning. Since this work is done without charge to the individual school, it appears that all signs should be put in good condition. M.H.

Revolving Devices--Jars for. Through the courtesy of Mr. R. J. Helfinstine of the State Geological Survey, Vocational Agriculture Service has been given several thousand bottles that will be suitable for making revolving devices. Most of them still have soil samples in them, but we have checked to make certain that all have covers and are unbroken. At the time of the conference, we will distribute up to four dozen free to any teacher wishing them for making up revolving devices for small items. A further announcement concerning them will be made at the conference.

M.H.

Judging Contest Rules. Rules for the state judging contest were sent to vocational agriculture instructors on February 4. If you did not receive your copy, please let us know.

The following changes have been made in this year's contests:

1. Feeder pigs will be used as one of the judging rings of hogs.

2. One ring of market hogs to be graded will replace a judging ring of hogs.

3. A ring of hay to be judged will replace the ring of legume seeds.

4. A ring of silage to be judged will replace the ring of timothy seed.

5. Weeds will be identified from color slides of the growing plants instead of from seeds as in the past.

W.H.W.

Market Day Meetings. Our attention has been called to the fact that the announcement of "1960 Market Day Programs" that appeared on page 4 of the February AIDS gave the location only as National Stock Yards. For the information of those who may not know, the National Stock Yards are located at East St. Louis, Illinois.

M.H.

New Slidefilms. In February two new slidefilms were sent to teachers who placed advance orders for films. No. 712, Soil Structure, is in black and white and is available in single frame only. Prints are priced at $1.82. No. 351, Keeping Records Up to Date, is in color. Prints are available only in single frame and are priced at $2.81 f.o.b. Urbana.

These two films make a total of five that have been sent to advance subscribers so far this year. The other three, Nos. 340, 350, and 790, have been announced in previous issues of the AIDS.

M.H.

New Bulletins and Circulars. Three bulletins and three circulars from the College of Agriculture have reached our office since the last issue of the AIDS. The bulletins are:

650 - Freeze Probabilities in Illinois
651 - 1959 Performance of Commercial Corn Hybrids in Illinois
652 - Performance of Experimental Corn Hybrids in Illinois, 1959

The circulars are:

811 - Balancing Swine Rations
813 - Gearing Up for Narrow-Row Soybeans
814 - Illinois Fruit Calendar for Growers of Apples, Strawberries, Peaches

Single copies of Bulletins 650 and 651 and Circulars 813 and 814 will be included with the March Agricultural Release mailings. A copy of Circular 811 was included with the February mailing. Copies of Bulletin 652 were not included because this publication deals with experimental corn hybrids in Illinois. However, you may obtain it in the regular manner. If you are not familiar with the policy regarding distribution of copies for vocational agriculture programs, you will find it in the August AIDS. M.H.

S.I.U. Notes. We are glad to welcome Southern Illinois University as a contributor to this issue of the AIDS. From time to time, they expect to have information to be published in the AIDS. When such material is available, it will be included on pages similar to the one enclosed. When it becomes necessary to run additional copies of our cover page, it will probably be revised to include both the IAVAT and S.I.U. among the list of cooperators. M.H.

Sheep Shearing Schools. G. R. Carlisle reports that four sheep shearing schools are planned for Illinois this year. The dates and locations are:

March 28 - 29 - Dixon Springs Experiment Station
April 4 - 5 - Dixon Springs Experiment Station
April 6 - 7 - Dixon Springs Experiment Station
April 11 - 12 - Urbana, Illinois

Applications should be sent to the county farm adviser. The enrollment fee is $2.50 per person, $2.00 of which will be returned to the enrollee when and if he shows up for the school. The $2.50 fee must be submitted with the application for enrollment.

Only boys who are big and strong enough to handle sheep should be sent to these schools. Boys who come should realize that shearing is work and not just a way of getting out of school.

Enrollments will be taken on a first-come, first-served basis, and not more than two boys per school will be accepted unless there are not enough enrollments to fill the schools. If you have more than two boys, list their names in order of preference, as a list of alternates will be compiled.

Enrollments should be in the hands of the livestock specialists at the College of Agriculture, Urbana, Illinois, not later than 10 days before the first school.

Checks covering enrollment fees should be made payable to G. R. Carlisle rather than to the University of Illinois. G.R.C.-W.H.W.

Weed Identification Slides for Judging Contest. Since the rules for the state judging contests were mailed, we have had a number of requests for the weed color slides for use in teaching identification and preparing for the grain judging contest. The only slides of growing weeds that we have are the slide sets 1, 2, and 5 that we have sold the last two years, which are explained on pages 8 and 15 of the "1960 Listing of Teaching Materials" from our office. Those sets include less than half of the weeds listed in the contest rules, and besides they are sold only as composite orders. That makes it almost impossible to accept your order at this time and give you delivery before the contest. We are sorry that we don't have more in that line, but at present we just do not. W.H.W.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. In some cases they are revised editions, and in others they are new publications.

All of the books listed are available for review in our office by those who are interested. Further, 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. In addition, current publications are included in our biennial listing distributed to our teachers and to other interested persons.

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

GUIDANCE IN AGRICULTURAL EDUCATION. Dr. Harold M. Byram. 1959. $4.50. Interstate Printers and Publishers, 19-27 North Jackson Street, Danville, Illinois.

The preface states that the primary purpose "is to provide help for the teacher of agriculture for carrying out the guidance activities he finds appropriate in his school. It also is directed to the school counselor and other guidance personnel who work with rural youth. It is believed that they, too, sense the need for a better understanding of agricultural occupations, and the background, needs, and vocational education programs of farm youth. As schools that have agriculture in their curricula develop school guidance programs, the guidance personnel may expect more requests for assistance from teachers of agriculture which they should be prepared to give. Emphasis in the writing has been given to the cooperative relationship that should exist between counselor and teacher. Since most teachers of agriculture serve in schools without complete guidance programs, however, attention in this book also is given to many activities in which they may be called upon to engage because of the lack of trained guidance personnel."

BEEF CATTLE. Fifth Edition. Roscoe R. Snapp and A. L. Neumann. 1960. $8.50. John Wiley & Sons, Inc., 440 Fourth Avenue, New York 16, New York.

The preface to the book mentions that "Since 1952, when the fourth edition of Beef Cattle was prepared, perhaps more new breeding and feeding research data related to beef cattle have been accumulated than in any equivalent previous period. In the fifth edition of the book, originally written by the late R. R. Snapp in 1925, I have made revisions and additions where they were needed to bring recommendations into line with new findings. Whenever possible, however, I have retained the original framework, and have made use of numerous tables that readers have reported to be of great value as teaching aids.... An intensive effort has been made to broaden the scope of the material in order to make the book equally helpful to students and cattlemen the country over, rather than to limit it primarily to the Corn Belt or to any other single region. Needless to say, special problems of certain areas have necessarily been omitted in order to conserve space. In general, however, I have tried to discuss principles upon which decisions relative to special problems can be based.

"The material related to certain skills (such as fitting cattle for show or sale) has been greatly reduced. Because there is great variation in the accepted methods for such skills, I felt that the limited space in the book might be put to better use. Individual instructors can prepare laboratory exercises of this type more appropriately."

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

Please accept my order for the following:

Slidefilm No. 712 - Soil Structure - $1.82

Slidefilm No. 351 - Keeping Records Up to Date - $2.81

School _____

Teacher _____

AGRICULTURAL EDUCATION NEWS

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

Conference on Replanning Agricultural Education in the Public Schools. Schools in east-central Illinois are being invited to a one-day conference at the University of Illinois, to be held on March 22, which will deal with the replanning of public school education in agriculture.

The conference is intended for school board members, members of citizens advisory committees, local school administrators, county superintendents, school counselors, teachers of agriculture, and other interested persons.

The forenoon program will deal with the directions in which we might go in replanning the program and will include reports by representatives of schools that have replanned or are replanning their programs. In the afternoon, there will be discussion of the replanning of the high school program in vocational agriculture, young farmer education, adult farmer education, counseling about agricultural occupations, and the agricultural education provided as a part of the general education of all.

Schools from other parts of the state may send groups to this meeting, but it is expected that, if the meeting is successful, similar meetings will be held in other parts of the state. H.M.H.

Agricultural Education in the Sixties to Be Highlighted in "American Vocational Journal." The February 1960 issue of the American Vocational Journal will carry a special section that includes several articles on agricultural education. In these articles chief emphasis is placed on the contributions of agricultural education in the years just ahead. The articles were written by the heads of the three major farm organizations and by former students now farming. Also included are a comprehensive article on agricultural education in the '60s and an article on challenges in agricultural education.

Reprints will be available at nominal prices from the American Vocational Association, 1010 Vermont Avenue, N. W., Washington, D. C. Teachers may wish to order copies for distribution to administrators, board members, and other persons in a local community.

This issue of the magazine probably will not be received by subscribers until sometime in March due to delays in publication G.P.D.

Improving Guidance in Agricultural Education. If you have started checking the high school programs of your freshmen and sophomores and if you have initiated action toward promoting high school faculty occupational tours, then you probably realize that effective guidance activities require some effort. If you have

not started these two activities, check your December, January, and February issues of Vo-Ag Aids for the details.

For those of you who are ready, here is another activity that should be a regular part of your guidance program. This activity is an FFA-sponsored agricultural occupations night for prospective vocational agriculture students and their parents.

If you haven't held one before, you may want to include as many of the parents of your present students as wish to come.

The purpose of an agricultural occupations night is obvious--to acquaint parents and their sons with the possibilities in such occupations and how people prepare for them. Secondary purposes involve explaining the relationship of the vocational agriculture program to the broader agricultural occupation picture and eliminating the fear (stimulated by current educational propaganda) that enrollment in vocational agriculture means that a boy would not qualify for college or any agricultural occupation other than farming. Many parents might like their boys to enroll in vocational agriculture but recognize the practical necessity for them to be able to change occupational direction if the opportunity to farm does not materialize. Students and parents should have the right to capitalize on the meaning the study of vocational agriculture can give to other high school studies while being secure in the knowledge that they are not traveling up a dead-end street.

The details of agricultural occupations night for parents and their sons can be easily worked out by a committee of FFA members. These details should include the following:

1. Plans for each prospective student and his parents to be brought to the meeting by a present student.

2. A careful check to make sure all prospective students and their parents are invited.

3. An open invitation to other people who may wish to attend.

4. A live program including short presentations by former students on how vocational agriculture helped prepare them for their present jobs. Several kinds of agricultural occupations, including farming, should be represented.

5. A short presentation describing the vocational agriculture program and its relation to other high school programs and preparation for college. The emphasis should be placed on the value of the program in keeping boys interested in school as well as on its contribution to their later occupational success.

6. A question-and-answer session.

Parents have a strong influence on the educational plans of their children. We need to inform them regarding the entire agricultural occupation story if they are to be of greatest possible assistance to their children in making decisions about their high school programs. A.H.K.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

Before long June will be "bustin' out all over." Our conference plans are taking shape, and thanks to our vice-president it looks as if a good program is in the making. By this time a schedule of events is in the hands of your sectional vice-president.

We are striving to get a large attendance at our banquet. Why don't all of you plan now to attend? If present plans progress, it will be worth your while. Having a large group there will give us a feeling of togetherness, as well as the feeling that our group is strong enough to do the things we must.

If you are on a committee, and especially a committee chairman, be sure that your committee meets early and that your report, if one is to be given, is received by Vocational Agriculture Service in plenty of time for it to be run off by convention time.

Payment of our dues seems to always lag. Let's make an effort this coming year to have everyone paid up by our fall section meeting. If you are financially embarrassed, ask your section chairman for a little help.

The more I see of our Illinois Association of Vocational Agriculture members, and the more I ask them for help, the more I realize that being associated with and working for our group is as great an honor as I could have. If your name is mentioned for a committee assignment or an office, accept it willingly. You really don't get to know this group until you really become a part of it. Contribute ideas freely, and suggest improvements you see that could be made. We advance by ideas, not by group gatherings. Don't conceal a gripe; bring it into the open. Maybe others have the same gripe. Find out why things are done as they are. Make this IAVAT a WE organization instead of a THEY.

HAROLD DRAKE, President
Illinois Association
Vocational Agriculture Teachers

February 1960

PRICE LIST OF FEEDS[1]

The 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 in dollars per bu., cwt., or T
Corn, yellow, No. 2*, bu.	$ 1.08
Corn, ground, bu.	1.18
Oats, bu.	.72
Oats, ground, bu.	.82
Barley (feed), bu.	.94
Barley, ground, bu.	1.04
Sorghum grain, cwt.	1.61
Sorghum grain, cracked, cwt.	1.71
Garbage and kitchen waste, ton.	8.50
Whole milk, 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.	9.00
Preserved with 150-200 lb. ground corn.	12.00
Clover and mixed hay)	20.00
Cowpea hay) Add $5 per ton	18.00
Soybean hay) for baled hay.	19.00
Alfalfa hay) and straw.	22.00
Timothy hay)	20.00
Corn stover, ton.	12.00
Oat straw, ton.	15.00

Prepared by W. W. Albert, Animal Science Department.

*High moisture corn commonly discounted at 1¢ for each 1/2% moisture above 15.5%.

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VO-AG SERVICE

Announcements & Notes

Foreign Language as a Requirement for the College of Agriculture. Dean Gardner has given us the following information to be included in the AIDS:

> "Contrary to recent misinformation in the press, the College of Agriculture at the University of Illinois has no plans for including foreign language as a requirement for entrance into this particular College of the University. Recent news releases have given the mistaken impression that the University of Illinois will require foreign languages of all students who plan to enter the University. For many years this has been a requirement of several of the colleges at the University, such as the College of Liberal Arts and Sciences.
>
> "There is no doubt that foreign language can be of assistance to some students who take agriculture, considering the many programs of cooperative work with foreign countries. In addition, foreign language is always beneficial for better comprehension of grammar, development of vocabulary, and as an aid to an understanding of the peoples of other lands.
>
> "The College of Agriculture requires the student to have three years of English, one year of algebra, and one year of plane geometry in high school for entrance. No change is contemplated in these requirements. The College does recommend agriculture work in high school where this is available, three years of mathematics instead of the two years required, two or three years of science courses and two or three years of social studies, including government and history."

M.H./K.E.G.

New Bulletins and Circulars. One new bulletin and one revised circular has reached our office since the last issue of the AIDS. The bulletin is 653, entitled "Effects of Moisture Losses on Costs of Storing Ear Corn." The circular is 758, entitled "Understanding Soils." The latter publication, while carrying the same title and number as its predecessor is, in reality, an intensive revision rather than a reprint. A copy of each has been included with the April Agricultural Releases. Copies are available through the regular procedure.

M.H.

Fitting, Showing, and Judging Dairy Cattle School. Through the courtesy of J. G. Cash, we have been given the following announcement:

> "All 4-H and FFA members, leaders, and instructors interested in fitting, showing, and judging dairy cattle are invited to attend a school to be held in the Stock Pavilion on the University of Illinois Campus beginning at 10:00 a.m. on Saturday, April 30. This event is sponsored by the Land of Lincoln Purebred Livestock Breeders Association in cooperation with the Illinois Purebred Dairy Cattle Association and the Department of Dairy Science, University of Illinois. Those attending should bring lunch; milk will be available.

M.H./J.G.C.

Safe Practices in the Vo-Ag Shop and Tests on. With the December Agricultural Releases we included copies of the release entitled "Safe Practices in the Vocational Agriculture Shop" and one dealing with student tests on shop safety. A further announcement was included on page 3 of the February issue of the Vo-Ag AIDS. Copies of both releases are still available, but individual pages are not available except as part of the complete releases. Copies of Safe Practices in the Vocational Agriculture Shop are 5 cents each for the entire unit of 14 pages. The release on the tests contains 15 pages, including the statements to be signed by students. Copies of the statement are 5 cents each. Both prices are f.o.b. Urbana. M.H.

Soil Demonstration Kits Remaining. On page 3 of the January AIDS, we carried an announcement regarding the soil demonstration materials. On the tear sheet that accompanied that issue, we indicated that orders were to be placed by February 15. In an attempt to avoid unnecessary delay, we placed orders early in February on the basis of an estimate of the number of orders we would have by February 15. We have now filled all requests that have been received, and notices regarding the shipments have been sent to the teachers concerned. As of today (March 17) we have the following number of kits remaining:

Kit I	22	$2.00
Kit II	7	$12.00
Kit III	18	$2.50
Kit IV	10	$2.00

The foregoing are available on the basis of orders received so long as our current stock will permit. M.H.

State Junior Judging and Showmanship School. We are indebted to the 4-H office for the following information that may be of interest to vocational agriculture teachers and 4-H members in Illinois:

> "The Annual Junior Judging and Showmanship School, sponsored by the Land of Lincoln Purebred Breeders' Asociation, will be held on Saturday, April 23, at the Illinois State Fairgrounds in Springfield.
>
> "The morning session will begin at 10 a.m. with instructions in grooming, fitting, and showing beef, swine, and sheep. After lunch, several rings of animals will be judged.
>
> "This school provides an excellent opportunity for your members to learn at first hand how to groom, show, and judge livestock. University of Illinois personnel from the Animal Science Department and experienced livestock breeders will be the instructors."

M.H.

NEW BOOKS

More than a normal number of books are being announced in this issue of the AIDS. The reason is that several organizations have sent us several copies in response to our annual announcement relating to bringing our information on books up to date for the coming Conference of Vocational Agriculture Teachers.

Vocational Agriculture Service again plans a book display for the conference and will follow the procedure used during the past two or more years and display the books received since last conference separate from those received earlier.

Teachers who are interested in securing copies of any of the following books for their own use should write direct to the publisher. Of course, our copies are available now for those who wish to review them in our office.

YOUR FUTURE IN POULTRY FARMING. John W. Goodman and David C. Tudor. 1960. $5.25. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

"'Your Future in Poultry Farming' has a three-fold purpose: to give the poultry student a clear understanding of the planning and problems of profitable farming; to help the young farmer get off to a sound start in his new business; and to supply the established poultryman with current information on recommended methods of management.

"The material herein is derived largely from the personal experience of the authors who, in state and private employment, have visited hundreds of commercial poultry establishments and general farms having poultry as a side line...The authors have endeavored to put their findings into direct, easily understandable language. Enhancing the test are the many illustrations, the Chapter Questions and Class and Community Activities, and a glossary."

BUILDING TRADES BLUEPRINT READING--PART 2. Sundberg, Battenberg, and Paul. 1959. $2.95. American Technical Society, 848 East Fifty-Eighth Street, Chicago 37, Illinois.

"Blueprint Reading, Part I serves as an introduction to the reading of simple plans, and to the interpretation of the notations, conventional symbols, and dimensions indicated on the drawings. Blueprint Reading, Part II serves to extend the subject into a study of more complex plans using a variety of construction types; to introduce some additional construction possibilities; to bring up to date the subject of specifications; and to acquaint you with some of the more important building trends...The overall purpose of this book, then, is to directly enhance your understanding of blueprint reading, as well as to widen your scope to the numerous design, construction, and material possibilities which may be encountered when reading blueprints, so that you will be prepared to step into the building trades better equipped for a successful career."

NOTE: Sections quoted are from the prefaces of the books concerned.

AMERICAN TECHNICAL SOCIETY'S DRAFTING, 2nd Edition. Giachino and Beukema. 1960. $4.75. American Technical Society, 848 East Fifty-Eighth Street, Chicago 37, Illinois.

"There will be found in this revised edition, such changes as these: (1) More extensive treatment of geometric construction, (2) Separate units with more detailed information on auxiliary and sectional views, (3) A section on shading added to the unit on pictorial drawing, (4) Revision of the unit on Schematic Drawing with the material treated under the headings of Piping Drawing, Heating Drawing, and Electrical Drawing, (5) New problems incorporated in some of the units and supplemental problems for all units placed at the end of the text, and (6) Drafting standards brought up-to-date to conform with recent ASA revisions."

FUNDAMENTALS OF ELECTRICITY, 4th Edition. Graham. 1960. $4.75. American Technical Society, 848 East Fifty-Eighth Street, Chicago 37, Illinois.

"This, the fourth edition, has been completely revised. It presents in a thorough and practical manner the most important principles of the electrical science, with a minimum of mathematics, in a language that the average reader can understand... A selection of review questions is appended to each chapter. These questions serve the dual purpose of summary and review of the chapter. Also included in this edition is a Dictionary of Electrical Terms, which simply and clearly explains terms which may cause difficulty."

KNOW YOUR CAR. Allen. 1960. $3.50. American Technical Society, 848 East Fifty-Eighth Street, Chicago 37, Illinois.

"'Know Your Car' is divided into seven chapters, which in turn are divided into 27 convenient study units...Following each unit, except where impractical because of the nature of the material, is a section entitled 'Interesting Things to Do.' Each of these contains projects which can be used to effectively develop skills in operating tools and machines, as well as to gain further knowledge of automobile components and their servicing...Another important section appearing after each unit is one containing 'Review Questions.' These questions are designed to test your progress and to point out those areas in which you need further work."

THE PRACTICAL DICTIONARY OF ELECTRICITY AND ELECTRONICS. Oldfield. 1958. $5.95. American Technical Society, 848 East Fifty-Eighth Street, Chicago 37, Illinois.

"Our principle objective in preparing this dictionary was to define those terms most used in electrical and electronics applications, especially terms of a 'tricky' nature like image frequency and saturation. The definitions are written clearly and simply so that the dictionary will be valuable to beginner and veteran alike. The book's compactness makes it handy to carry any place...A brief handbook section has been added after the dictionary section. It contains those formulas, tables, symbols, and circuit diagrams we felt someone working in electricity and electronics would have need for again and again. The handbook will also be useful to the student, especially the beginner, since basic formulas and other fundamentals are included."

SHEET METAL SHOP PRACTICE, 2nd Edition. Bruce. 1959. $4.60. American Technical Society, 848 East Fifty-Eighth Street, Chicago 37, Illinois.

"The material in 'Sheet Metal Shop Practice' is so organized as to be usable by the beginner as well as the experienced tradesman. Valuable related

information is supplied for each operation and is included in the section to which it applies. Each chapter is a complete unit of work...since each chapter is a complete unit of work, it is not necessary to adhere strictly to the order given in the book...The individual tradesman will also find it practical to have handy complete information on each phase of the work, such as soldering, riveting, etc.,... Each job is broken down into simple step-by-step procedures, and all difficult procedures are illustrated to insure understanding. The machines and tools referred to in the text are the ones currently in use in sheet metal practice."

GENERAL MECHANICAL DRAWING, Revised Edition. McGee, Sturtevant, Fuglsby 1959. $2.40. The Bruce Publishing Company, 400 North Broadway, Milwaukee 1, Wisconsin.

"The original authors definitely wrote this book with the student in mind. The work is presented in an interesting and easily understood manner. The problems are so specifically stated that the student is not in doubt as to what he should do. The authors also had the instructor in mind while preparing this text. With a minimum of instruction, the student can proceed with the drawing problems and the instructor can assist the individuals needing help.

"This text is designed to help the student explore the drafting area. With this in mind, technical, related, and occupational information is given a place of importance equal to that of the drawings. In other words, the student will not only learn about drafting, but will have the opportunity of exploring much related information about the industries and occupations in which drafting plays a major role."

LAW FOR THE VETERINARIAN AND LIVESTOCK OWNER. Hannah and Storm. 1959. $4.50. The Interstate Printers and Publishers, Inc., Jackson at Van Buren, Danville, Illinois.

"There is only one good excuse for a book about law for the layman: to fulfill his need to know more about law. This book is mainly for two particular kinds of laymen, veterinarians and livestock owners. Chapters and sections reflect the writers' success (or lack of success) in pulling from the whole body of the law those segments which seem pertinent. With some exceptions each section represents a concrete problem as it is likely to arise in the practice of veterinary medicine or in the minds of practitioners and livestock owners.

"Books of this kind are to supplement an existing knowledge and judgment, They are not to serve as substitutes for either. Neither are they to serve as substitutes for professional help. Veterinarians know that livestock owners risk the health of their herds when they try to be their own veterinarian; livestock owners know that animals are not finished for market by tacking a table of digestible nutrients on the barn door, and lawyers know that laymen sometimes find themselves in legal hot water because they try to handle their own cases.

For the person with judgment, knowing more about law should have many beneficial effects; it should enhance his judgment, increase his use of the legal profession for preventive as distinguished from remedial purposes, enable him better to organize and handle the details of his business and give him further insight into that most important sphere--human relations."

RAISING VEGETABLES. Ware and McCollum. 1959. $5.50. The Interstate Printers and Publishers, Inc., Jackson at Van Buren, Danville, Illinois.

"The purpose of this book is to give reliable, complete, co-ordinated, up-to-date information on the various phases of vegetable growing in the most systematic and convenient manner. It is designed as a text or reference book for vocational schools, junior colleges, and agricultural colleges...The chapters are complete in themselves, but cross-references are made to avoid repetition and to supply additional information. A brief glossary, including the most difficult words, precedes the index."

FARMING PROGRAMS FOR SMALL ACREAGES. Juergenson. 1959. $3.50. The Interstate Printers and Publishers, Inc., Jackson at Van Buren, Danville, Illinois.

"Whenever farming is considered as an occupation the first picture that comes to mind is large fields and scattered flocks. This, of course, is one realistic view of agriculture. Fortunately there is another side to farming which does not demand large acreages, yet because of its intensive nature is just as agricultural and profitable as the one presented by the typical scene of rural life...This book is about this kind of agriculture and farming. It presents in one volume the factors one should know about commercial farming using only a small amount of land. The dream of farming can become a reality for many even though large tracts of land are difficult to locate and costly to obtain...Commercial farming using only small acreages of suitable land can be a desirable and profitable way to farm. The opportunity to enter agriculture can become a reality for many who wish to farm if they choose this type of farming."

56 PROBLEMS IN ELEMENTARY SHEET METAL WORK. Anderson. 1959. $3.80. McKnight & McKnight Publishing Company, Bloomington, Illinois.

"In organizing the material for this book, a careful analysis of learning units was made first. Then problems were selected to supply motivated experiences in each unit. Finally, recognition was given to the variations in maturity and ability found among pupils in the average class. In each unit will be found problems adapted to several levels of ability, including those which offer a challenge to the most proficient pupils...On the following pages are presented a number of projects that have proved successful in providing learning values, motivations and satisfactions to junior high school pupils. Each provides opportunities for definite learning and manipulative experiences...For classes having limited time for sheet metal instruction, problems will be found in each unit to fit into a shortened program."

MACHINE SHOP AND FOUNDRY PROJECTS. Kauffman. 1959. $3.80. McKnight & McKnight Publishing Company, Bloomington, Illinois.

"These projects, or variations of them, have all beenmade by students in machine shop classes. This selection of plans and designs has been prepared with the thought that it would present a wide range of objects of home and personal utilization, as well as some additional tools not commonly included in other books of project materials...It is hoped that this collection of projects will be helpful to other teachers and students, and that they will find them attractive and useful."

WOODWORKING WITH MACHINES. Douglass. 1960. $4.20. McKnight & McKnight Publishing Company, Bloomington, Illinois.

"The material in this book is arranged on a unit basis. Experience has shown that the information needed should precede the instructions that are to be given in the correct use of machines and in other operations in the field of woodworking. The book is divided into seven main sections...Woods And Their Uses,

Furniture Design and Project Planning, Woodworking Machines - Construction Details, Machining Stock to Finished Dimensions, Cutting Stock to Irregular Shapes, and Preparing and Finishing Woods.

"Suggested assignments for home study or make-up work will be found at the end of most units. These, together with the references listed, will make it possible to require additional home work where shop time is limited."

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

Please accept my order for the following:

_____Safe Practices in the Vo-Ag Shop -- .05 per set

_____Tests on Safe Practices in the Vo-Ag Shop -- .05 per set

_____Soil Demonstration Kit I -- $2.00

_____Soil Demonstration Kit II -- $12.00

_____Soil Demonstration Kit III -- $2.50

_____Soil Demonstration Kit IV -- $2.00

AGRICULTURAL EDUCATION NEWS

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

Are Your Students Interested in Teaching? As teachers of vocational agriculture, you are the persons best qualified to counsel high school students who may be interested in preparing to teach vocational agriculture. It is in your best interests and the best interests of our profession to give encouragement to those students who indicate by their interests and abilities that they would be a credit to our profession. Indications of interest in teaching are strong interests in people, social service, agriculture, science, and mechanics. A background of successful farm experience from living and working on a farm is essential. Desire and willingness to assume responsibility for working with groups in a teaching or other leadership capacity are also important.

We are interested in securing the names and addresses of those students in your classes who have the general characteristics indicated. List only those students you are willing to give your personal recommendation.

Our major purpose in asking for the names of students interested in becoming teachers is to give us an opportunity to become acquainted with them early. As was reported in the February AIDS, students entering the University of Illinois College of Agriculture are now able to enroll immediately in the curriculum for preparing to become teachers of vocational agriculture if they indicate that they wish to do so. These students are then assigned advisors in the Division of Agricultural Education.

Write the name (or names) and addresses of senior students you would recommend and send the information to the Division of Agricultural Education, 103 Gregory Hall, University of Illinois, Urbana, Illinois. A.H.K.

Names of Seniors	Addresses

East Central Illinois Conference. The schools in 22 counties in East Central Illinois are responding well to an invitation to attend a conference on replanning agricultural education in the public schools, to be held at the University of Illinois on March 22. Four teams of consultants will be used, who will indicate what is being done in their communities to modernize agricultural education. The teams are from Beecher, Carlinville, Cisne, and Sycamore. Most of the teams will include a board member, a council member, an administrator, a school counselor, and a teacher of agriculture.

During the day, four members of the staff in agricultural education will state their views as to what should be done about replanning policies and programs, young and adult farmer work, and counseling about agricultural opportunities and adjusting to changes in agriculture. One period will be set aside for reporting new developments in agricultural education in East Central Illinois.

It is expected that similar conferences will be held in other parts of the state. Priorities will depend in part upon the interest shown by teachers of agriculture in various areas. H.M.H.

Clinics on Local Citizens Committees. "Clinics" on local citizens committees were held at the University of Illinois in October and at Eastern Illinois University in January. They were attended primarily by board members and administrators. The principal feature of each conference was the use of groups from schools with well-established, continuing, school-wide committees, who reported the organization, procedures, and accomplishments of these committees and submitted to questioning. At the University of Illinois the participating groups were from Arcola, Henry, Proviso Township High School, and Sycamore; at Eastern Illinois University they were from Arcola, Champaign, and Olney. Each reporting group included a board member, a citizens committee member, and an administrator. Three to nine persons were included in the various groups.

A similar clinic will be held at Northern Illinois University on April 1 and at Western Illinois University on April 30. It is expected that other clinics will be held later at Southern Illinois University, Illinois State Normal University, and Lake Forest College. Each clinic is conducted cooperatively by the Illinois Citizens Education Committee and the institution providing facilities.

It is the judgment of those associated with the project that these clinics have provided the best means yet used for acquainting persons unfamiliar with citizens committees with their possibilities and giving them confidence that committees may be safely and profitably employed. H.M.H.

Error in Reporting Foreign Language Requirement at the University of Illinois. It has been reported erroneously that the College of Agriculture of the University of Illinois will require two years in a foreign language for admission, beginning in September 1964. Actually, this requirement applies only to students entering the College of Liberal Arts and Sciences and the music and art curricula of the College of Fine and Applied Arts. No other colleges in the University of Illinois will have this requirement. Few of the other colleges in the state require a foreign language for admission. A.H.K.

Staff Field Activities. G. P. Deyoe will speak at the "commencement" for three adult classes in agriculture at Norris City on March 24. A. H. Krebs recently assisted with the Livingston County Teachers Institute and with "College Day" at Litchfield. L. J. Phipps was a consultant at a career conference in the Forrest-Strawn-Wing unit. H. M. Hamlin will speak at the annual dinner for the FFA Chapter and the adult classes at Belvidere on April 2. H.M.H.

Extramural Offering in Agricultural Education, Fall 1960. Education E477, Field Studies in Agricultural Education, will be taught extramurally in District 3 during the fall of 1960. (This area includes Sections 11, 12, 13, 14, and 15, which will be almost the same in the new 1960 reorganization as at present.)

This is a "problems" course especially designed for teachers of vocational agriculture. (Administrators may enroll.) Each person who enrolls will select and develop a problem in some phase of agricultural education of specific concern to him. The content of the course will be adapted to the problems of the persons who enroll. In the early part of the course, attention will be given to important changes that are occurring in farming and in education and to the implications of these changes for local programs of agricultural education.

Eight group meetings of three hours each will start at about 5:00 p.m. These will be scheduled on Wednesday or Thursday nights and will be planned so as to be completed by early December. A maximum of two centers will be selected, depending on the locations of the persons who expect to enroll. George P. Deyoe will provide the group instruction, and he will visit each person who enrolls.

Persons who enroll may earn one-half unit of graduate credit, which may be applied to a master's degree or credit beyond a master's degree. Information will be sent to each teacher in District 3 in the near future, and an opportunity will be given to indicate intentions relative to enrollment next fall. This course is offered on a rotational basis once every five years in each district in the state.

G.P.D.

Wide Range of Courses Offered in 1960 Summer Session. Six graduate courses in technical agriculture, four graduate courses in agricultural education, and two graduate courses in education will be offered during the 1960 four-week summer session. In addition, three workshop courses will be provided which include continuing education of adults, general and nonvocational agriculture, and family finance and money management. Registration for the summer session will be June 20, classes will begin on June 21, and the four-week session will close on July 15. Within the next few weeks a descriptive folder on the special four-week summer session will be mailed to teachers of vocational agriculture in Illinois. G.P.D.

Placement Situation. Two schools have requested assistance in securing a new teacher of vocational agriculture for the coming year. Several other schools have been "unofficially" reported as having vacancies, but they have not yet requested assistance from the University of Illinois Placement Service.

There are approximately 28 inexperienced teachers from the University of Illinois and from Southern Illinois University who have requested placement assistance Approximately 50 experienced teachers have requested placement assistance, but nearly all of these men are now employed as teachers.

Teachers wishing placement assistance should activate their credentials as soon as possible. L.J.P.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

Again Section 3 comes through with some news. We all hope by this time that Wilbur Brokaw of Geneseo is out of the hospital and well. Congratulations to Vernon Luther of Neponset for his article in the Illinois Vocational Progress. A paper printed by the Neponset FFA for distribution during FFA week was sent me. Looks like a good way to explain a little of the FFA work.

Perhaps many of you were in on a joint meeting of vocational agriculture teachers and workers in soil conservation. The one in our section with a large attendance brought out some ideas that could stand working on. It will be interesting to see how ideas take root. We hope it was good seed.

I'm taking it for granted that all of you know our new NVATA president, Julian Carter. He should do a good job for us.

Some of you might want to be making plans for the 1960 NVATA-AVA Convention in Los Angeles on December 3-9. In 1961 our convention will move to Kansas City, and in 1962 to Milwaukee.

As in our state, we will be voting on a dues increase in the NVATA. Most states are favoring the move.

According to Bob Howey, our National Publicity Chairman, we are in need of some good, short, newsy articles on teaching tricks, department or chapter activities, or special events, along with pictures for our professional magazines and also as local news to help out at home.

In reading materials on educating the gifted, I've noticed that several people have recommended vocational agriculture or a related field for enrichment of the high school pupil's science curriculum. If this is the case, then i'm sure those who think we are wasting the student's time are not scientifically basing their claims.

We lack a few Ag teachers' dues for making Illinois 100 percent paid up. How about you hold-out members coming along?

Art Twardock informs me that he has a few copies of the original history of IAVAT. If you are interested, you might contact Art.

If you have written a magazine article and think you deserve a 30-minute club award, contact Bob Vogen. Don't be modest.

Don't forget your typewritten committee reports, and send them to Professor Henderson.

Here is a proposed program for the June Conference:

Monday, June 13:

11:00 a.m.	Executive Officers Meet.
1:00 p.m.	Executive Committee Meeting and Sectional Chairman Meeting.
2:30 p.m.	Sectional Chairman Meeting.
2:30 p.m.	Executive Officers Meet with Chairmen of All Committees.

Tuesday, June 14:

11:00 a.m.	First General Session of I.A.V.A.T.
1:00 p.m. to 2:30 p.m.	Sectional Meetings
3:30 p.m. to 5:00 p.m.	Second General Session of I.A.V.A.T.
7:45 p.m. to 10:00 p.m.	Joint Meeting of Executive Committee With Sectional Chairmen and Members of Joint Staffs

March 1960

PRICE LIST OF FEEDS[1/]

The 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 in dollars per bu., cwt., or T
Corn, yellow, No. 2*, bu.	$ 1.10
Corn, ground, bu.	1.20
Oats, bu.	.73
Oats, ground, bu.	.83
Barley (feed), bu.	.96
Barley, ground, bu.	1.06
Sorghum grain, cwt.	1.66
Sorghum grain, cracked, cwt.	1.76
Garbage and kitchen waste, ton.	8.50
Whole milk, 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.	9.00
Preserved with 150-200 lb. ground corn.	12.00
Clover and mixed hay)	20.00
Cowpea hay) Add $5 per ton	18.00
Soybean hay) for baled hay.	19.00
Alfalfa hay) and straw.	22.00
Timothy hay)	20.00
Corn stover, ton.	12.00
Oat straw, ton.	15.00

Prepared by W. W. Albert, Animal Science Department.

*High moisture corn commonly discounted at 1¢ for each 1/2% moisture above 15.5%.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

VO-AG AIDS

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and
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University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

SOUTHERN ILLINOIS UNIVERSITY

CARBONDALE ILLINOIS

School of Agriculture **Agricultural Industries Department**

Letter No. 2 April 19, 1960

To: Illinois Vocational Agriculture Teachers

We had our second meeting with the Illinois Association of Vocational Agriculture Teachers Advisory Committee on April 2, 1960 at Springfield. Their helpful advice and counsel is greatly appreciated.

During this school year 11 men qualified to teach Vo-Ag. Only five are available to start teaching this summer or fall. The military, graduate study, or industry have claimed the rest.

On our campus there were the following FFA contests scheduled:

Poultry and Grain Judging - Section 24	March 18
Public Speaking - District 5	April 20
Invitational Livestock & Dairy Judging	April 23
Livestock and Dairy Judging - Section 24 & 25	May 6
Poultry & Grain Judging - Section 25	May 6

As mentioned in our previous letter, two 4 week graduate level courses are taught this summer from June 20-July 15: Swine production, Animal Industries 465 - 4 hrs. and Agricultural Cooperatives, Agricultural Industries 456 - 3 hrs. Dr. Kammlade is conducting a four week range livestock course involving a two week field trip through the range area, Animal Industries 486 - 4 hrs.

A new publication, "Increasing Production and Earnings on Farms with Beef-Cow Herds in the Unglaciated Area of Southern Illinois" by H. S. Woods and W. D. Buddemeier is available upon request.

Dr. Joe Vavra, Associate Professor of soils, is on sabbatical leave this spring and summer studying soil research work in various European countries.

Mr. Milton Shute, Assistant Professor of agricultural engineering, will be on sabbatical for the year starting September 15, 1960 to work on his doctorate at the University of Missouri.

There are 34 Forestry students in spring camp this year learning the practical implications of their classroom training.

Dates for two on-campus workshops have been set:

Materials Handling - June 2
Cooperatives Management - September 14-15

Other workshops and field days in Plant Industries are planned for the summer and fall and specific workshops for vo-ag teachers are planned for this summer and fall. It is anticipated that a plan for permitting graduate credit for some of these activities will be in effect.

INDEX

VO-AG SERVICE

Announcements & Notes

SPECIAL NOTICE

Do you wish to pick up bulletins, circulars, or other items during June Conference week? If so, we urge you to place your orders well in advance and indicate that they are to be held for pick-up during Conference week.

We will do the best we can to fill orders turned in during Conference week, but cannot promise to fill them. We will have less staff help at Conference time, and some of those at the building will be busier than usual. Consequently, we hope you will not hold us responsible if you do not order in advance and then find that you cannot pick up the items at Conference time.

Announcement From Dean C. D. Smith. Dean C. D. Smith has given us the following information:

"The College of Agriculture is inviting approximately 100 of the larger high schools of the state (one in each county) to send a representative to the campus on May 17, 1960. A one-day program has been arranged for selected high school counselors or guidance directors to participate in a conference and see our classrooms, laboratories, and research facilities in agriculture and home economics.

"The purpose is to acquaint these people, who work with high school youth, with (1) the breadth of agriculture and home economics, (2) the opportunities for bright young men and women in these two areas, (3) the relationships between agriculture, home economics, and other sciences, and (4) the contributions of agriculture and home economics to other sciences and to national welfare.

"While we want each of you to be aware of this program, chances are only about one in six that your school is being invited to send a representative. It should also be noted that the representative is to be a staff member who has primary responsibility for counseling and guidance for the entire student body. Anything you can do to encourage your principal to send a representative (if invited to do so) will be appreciated.

"If the program is successful, we hope to repeat it with other schools in the future."

New Slidefilms. Those who placed advanced orders for slidefilms to be released during the school year, should already have received prints of slidefilms 100 and 330-60. Those are entitled "Selecting Beef Breeding Animals" and "Farm Appraisal," respectively. Slidefilm 100 is priced at $2.12 and 330-60 is priced at $2.83. Both are available in single frame only. Those who are not advance order subscribers can obtain prints by sending their orders to Vocational Agriculture Service. A tear sheet is included with this issue of the AIDS for those wishing to order prints. M.H.

New Bulletins and Circulars. Copies of four Illinois publications have reached our office since the last issue of the AIDS. One is a revision of Circular 747, "Illinois Inheritance Laws, Wills, and Joint Tenancy." The other circulars are 815, "Swine Manual for 4-H Club Members," and 816, "Illinois Vegetable Garden Guide." Bulletin 657 is entitled "Illinois Inbred Lines of Corn Released in 1960." Copies are available through the regular procedure. M.H.

Calendar of Events. Copies of our 8 1/2" x 11" calendar of events, similar to those distributed the past several years, were included with the April Agricultural Releases. They covered the months from September 1960 through August 1961. Teachers not receiving copies or wishing extras can obtain them from Vocational Agriculture Service. Copies are 15 cents each, f.o.b. Urbana, and may be picked up at the time of the June Conference if you find that most convenient. M.H.

Order Blank for Agricultural Releases, Advanced Orders for Units, Tapes, and Slidefilms. Subscribers to Agricultural Releases were sent an order form for subscribing to Agricultural Releases, Advanced Orders for Units, Tapes, and Slidefilms for the 1960-61 school year. Anyone needing the order form can obtain it by sending a request to our office. M.H.

Free Bottles and Covers for Revolving Devices. Through the courtesy of R. J. Helfinstine of the State Geological Survey, we will have several thousand bottles to distribute free at Conference time. At least for the first day or two, we will limit distribution to a maximum of four dozen per individual. Samples will be on display. We have three sizes, but have only limited quantities of two of them. Consequently, we cannot guarantee that everyone will be able to get the desired size. You need not order in advance, since the bottles will be ready to pick up. M.H.

Parking in University Lots During Conference Week. Mr. Joe Blaze, Supervisor of Security and Traffic, informs us that vocational agriculture teachers may park in University lots during June Conference Week, June 13-16 inclusive. You will not need special stickers in any of the assigned spaces or in drives, unloading zones, or similarly marked places. M.H.

Soil Conservation Service Enclosures. With each copy of the AIDS sent to vocational agriculture teachers in Illinois will be two releases from the Soil Conservation Service, 605 S. Neil Street, Champaign. They were made available by Mr. B. B. Clark. I am sure most teachers will be interested in the information they contain. M.H.

News Release Items. Mr. Warren Schmidt, chairman of the I.A.V.A.T. Public Information Committee, sent us some material to be duplicated and included with this issue of the AIDS to Illinois Vocational Agriculture teachers. It is a pink sheet that contains four possible news releases. W.S./M.H.

Form From I.A.V.A.T. Vice-President Robert Vogen. Illinois Vocational Agriculture teachers will receive with this issue of the AIDS a form which vice-president Vogen would like you to fill out and return to him. If you fail to receive this form, please let us know. M.H.

Form From K. E. Wehner. Vocational Agriculture teachers in Illinois should find stapled with their copy of the May AIDS a form that was duplicated and sent to us for inclusion with this issue. Please note that copies, when filled in, are to be sent to K. E. Wehner. M.H.

Service Awards. Mr. Twardock has given us the following names who are to receive awards at the time of the 1960 Conference. If there are any changes, corrections, or additions, please notify Mr. Twardock or our office.

10 Years 1960

	Name	School	Address
1.	H. C. Hendren	Albion Senior High School	Albion
2.	Harold Elliott	Atlanta Com. Unit High School	Atlanta
3.	Wm. A. Fortschneider	Brussels Com. High School	Brussels
4.	Roland W. Meyer	Cissna Park Com. Unit High School	Cissna Park
5.	Gene Elliott	Farmer City Com. Unit High School	Farmer City
6.	William Renoud	Havana Com. High School	Havana
7.	James Golby	Kewanee Com. Unit High School	Kewanee
8.	William Martinie	Minonk-Dana Com. Unit High School	Minonk
9.	Willis McKinney	Mt. Auburn Com. Unit High School	Mt. Auburn
10.	William Hills	Naperville Com. High School	Naperville
11.	Edward Molitoris	New Berlin Com. Unit High School	New Berlin
12.	Warren E. Schmidt	Oregon Com. High School	Oregon
13.	C. John Browning	Perry Com. High School	Perry
14.	Ardell Kimmel	Roodhouse Com. High School	Roodhouse
15.	Charles R. Pearson	Sparland Com. Unit High School	Sparland

20 Years

1.	F. A. Schaper	Aledo Com. Unit High School	Aledo
2.	Wm. R. Thornton	Bushnell-Prairie City Com. U.H.S.	Bushnell
3.	Stanley Klaus	Carlinville Com. Unit High School	Carlinville
4.	Orville Bottrell	Crete-Monee Com. Unit High School	Crete
5.	G. A. Kuster	Jacksonville High School	Jacksonville
6.	Max H. Kuster	Joliet Twp. High School	Joliet
7.	Robert R. VanRheeden	Lincoln Way Com. High School	New Lennox
8.	Robert L. Rohlfing	Paxton Com. Unit High School	Paxton

	Name	School	Address
9.	Charles I. Fisher	Pittsfield High School	Pittsfield
10.	E. A. Crump	Potomac Twp. High School	Potomac
11.	John E. Shields, Jr.	Shannon Com. Unit High School	Shannon
12.	C. A. Armstrong	Springfield Sen. High School	Springfield
13.	Ralph A. Guthrie	Supervisor, Agr. Education	Springfield
14.	L. J. Phipps	Teacher Trainer, Div. of Ag. Education, U. of I.	Urbana

25 Years

1.	R. E. Dagner	Assumption Com. Unit High School	Assumption
2.	O. M. Brewer	Atwood-Hammond Com. Unit High School	Atwood
3.	C. N. DeHart	Greenview Com. Unit High School	Greenview
4.	A. V. Meadors	Morris Com. High School	Morris
5.	Louis Templeton	Pinckneyville Com. High School	Pinckneyville
6.	R. H. Williams	Salem Com. High School	Salem
7.	D. A. Parish	Stillman Valley Com. High School	Stillman Valley
8.	W. H. Witt	Teacher Trainer, Vo-Ag. Service U. of I.	Urbana
9.	J. W. Matthews	Teacher Trainer, Vo-Ag. Service U. of I.	Urbana
10.	H. W. Homann	Supervisor, Agr. Education	Springfield

30 Years

1.	Howard D. Allison	Atkinson Com. Unit High School	Atkinson
2.	P. H. Daigh	Lebanon Com. High School	Lebanon
3.	M. L. Lindsay	Prophetstown Com. High School	Prophetstown
4.	Duane Gregory	Sherrard Com. Unit High School	Sherrard
5.	Gilbert D. Clam	Warren Twp. High School	Gurnes

40 Years

1.	Walter Baysinger	Streator High School (Twp)	Streator

Experiment Field Meetings. We have received the following information regarding experiment field meetings. If you need additional information, contact our office or your farm adviser.

1960 Spring and Summer Schedule

Date	Field	County
May 10	Brownstown	Fayette
June 14	Newton	Jasper
June 15	Toledo	Cumberland
June 16	Carlinville	Macoupin
June 17	Hartsburg	Logan
June 24	Aledo	Mercer
June 28	Dixon	Lee
July 8	DeKalb	DeKalb

Fall Meetings

September 1	Brownstown	Fayette
September 6	Newton	Jasper
September 7	Toledo	Cumberland
September 9	Oblong	Crawford
September	Urbana - Agron. Day	Champaign
September	Elwood & Joliet	Will
September	Carthage	Hancock
September	Clayton	Adams
	Carbondale	Jackson

Fall meeting dates not all available at this time.

NEW BOOKS

The following books have been added to our library since the last issue of the AIDS. All of them will be exhibited as a part of the book display at the time of the June Conference. The quotations are taken from the foreword or preface.

If you are interested in a copy for your own use, write direct to the publisher. Copies are available in our office for those who wish to review them.

FARM AND DAIRY MECHANICS. V. J. Morford. 1959. $3.75. Burgess Publishing Company, 426 South 6th Street, Minneapolis 15, Minnesota.

"Farm Mechanics and Dairy Mechanics courses are designed to give a broad understanding and varied experience in their respective areas. The courses should not be judged on the basis of what is made in the laboratory but rather on what is taught. Projects or jobs have been selected that require a minimum amount of materials yet develop basic shop techniques and judgments that may be applied to construction, repair, and maintenance problems common on the farm or in the dairy plant.

"While the laboratory program outlined in this manual will require a careful budgeting of the student's time it is hoped that quality of workmanship will not be sacrificed for speed. Accuracy and thoroughness are of prime importance."

SWINE MANAGEMENT, Second Edition. Arthur L. Anderson. 1957. J. B. Lippincott Company, 333 West Lake Street, Chicago 6, Illinois.

"We have endeavored to cover in a simple and concise manner the available information pertaining to swine husbandry and make it usable to the student. Needless to say, there is much material upon the subject. Only that which has been fairly well established by experiment and experience is included herein. Theoretical aspects have in general not been included. There is still much which has not been definitely proven. In spite of the fact that swine husbandry has been broadly investigated, further research is needed to explain many features of swine production and to point to better means and methods."

POULTRY PRODUCTION. Bundy, Diggins. 1960. $4.75. Prentice-Hall, Inc., Englewood Cliffs, New Jersey.

"This is a book of broad scope. It gives you not only the secrets of raising and selling poultry, but gives complete details on turkeys, ducks, and geese as well.

"Here you'll find the facts on what is the best breed for your situation, how to feed for maximum profit and minimum cost, the diseases that can harm your flock and how to cope with them, how, when, and where to market your poultry for the best price deal--plus an important overview of the poultry industry across the country.

"This is the essential, practical information you've been wanting. It's a streamlined, practical book with no "filler" material, just the solid practical facts you need. It's written in simple, non-technical language so that you can read it and apply the information immediately and without confusion."

ANATOMY OF SEED PLANTS. Esau. 1960. $6.95. John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, New York.

"This book combines the clarity and conciseness which an introductory work should possess... The concise nature of the book has been achieved, not through the deletion of important topics, but through the integration of closely related material.... The author has made every effort to give a clear, logical exposition of the subject matter which will enable the reader to relate the parts to the whole and to integrate the various topics with one another.

"A noteworthy feature of the book is the inclusion of many illustrations, most of which are new, all of which are expertly executed and comprehensively labelled. An invaluable glossary is appended which, like the book as a whole, was prepared with special attention to the latest conceptual and terminological developments in the field."

There is also a laboratory guide to the above text that is priced at 75 cents, and can be purchased from the address given above.

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

Please accept my order for:

_____Calendar of Events 15 cents each, f.o.b., Urbana

_____Slidefilm 100 "Selecting Beef Breeding Animals" @ $2.12 each, f.o.b., Urbana

_____Slidefilm 330-60 "Farm Appraisal" @ $2.83 each, f.o.b., Urbana

_____

Teacher

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AGRICULTURAL EDUCATION NEWS

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

Summer School 1960. An announcement of the 1960 special summer session for workers in agricultural education has been mailed to each Illinois teacher of vocational agriculture. Six courses in Agriculture, seven courses in Agricultural Education, and two courses in Education will be offered. The dates are June 20 to July 15. Registration is accomplished on June 20. H.M.H.

Workshop on Continuing Education for Adults. Paralleling the special session for agricultural educators will be a four-week workshop on continuing education for adults.

From 8:00 to 10:00 a.m. each day there will be a general session, which will cover such subjects as the development and status of adult education, the need for it and the reasons for its recent rapid development, programs and agencies of adult education, public policy for adult education, and the literature of adult education.

Each afternoon there will be a two-hour meeting of each of five special-interest groups: teachers of agriculture, extension workers in agriculture and home economics, teachers of business, teachers of home economics, and administrators of adult education.

Each special group will have its leader. The leader of the group studying adult education in agriculture in the public schools is Dr. L. J. Phipps. Ed. 473, Vocational Education in Agriculture for Adults, will not be taught in the summer of 1960.

There will be special consultants for the general group and also for each special group. Weekly meetings on Thursday evenings will be held for the workshop group, students and staff in the University, and other interested persons. Speakers for these meetings will include Dr. Ambrose Calliver, Chief of the Adult Education Section, U. S. Office of Education; Dr. C. O. Houle, Professor of Adult Education, University of Chicago; and Glenn S. Jensen, Executive Director of the Adult Education Association of the USA.

Classes will meet Tuesday through Friday. One unit of graduate credit can be earned. H.M.H.

Conference on Replanning Agricultural Education in the Public Schools. The first of an anticipated series of four conferences on replanning public school education in agriculture was held at the University of Illinois on March 22. Invitations were limited to schools in 22 counties in east-central Illinois.

Participants were limited to 110; 22 persons from nine schools who had wanted to attend could not be accommodated. The staff in agricultural education discussed the replanning of policies and programs, adult work, counseling about agricultural opportunities, and changes in agriculture affecting agricultural education. Teams from three schools (Beecher, Cisne, and Sycamore) made up of teachers of agriculture, administrators, board and council members, and school counselors, told of adjustments that had been made in their programs. Teachers of agriculture from five east-central Illinois schools (Arcola, Mahomet, Mattoon, Neoga, and Tuscola) told briefly of new developments in their schools. Dr. Hugh S. Bonar, Superintendent, Joliet Township High School and Junior College, spoke at the luncheon on "Has the Pendulum Swung Too Far?"

Similar meetings in other parts of the state, if held, will be conducted during the early fall months. H.M.H.

Graduate Assistants for 1960-61. Graduate students in Agricultural Education recently appointed to assistantships are J. R. Warmbrod, Belvidere, Tennessee, who will be in his second year of work toward the doctorate, and Allen McCowan, Elwood, Illinois, a graduate of Joliet Township High School, who will complete requirements for the bachelor's degree in June 1960. H.M.H.

Staff Involvement in University Affairs. A good deal of committee work is required to keep a university running. The Division of Agricultural Education is doing its share in 1960-61. Perhaps the teachers of vocational agriculture in the state will be interested in knowing the nature of the staff's extra-curricular activities.

L. J. Phipps is a member of the University Committee on Student Affairs, the Committee on Enrollment and Student Relations of the College of Agriculture, and the Committee on Research of the College of Education. He is chairman of a campus adult education group of about 20 members.

A. H. Krebs is chairman of the Library Committee of the College of Education, a member of the executive committee of the university supervisors of student teaching, and chairman of the Committee on Student-Teaching Publications.

H. M. Hamlin is chairman of the Policy Committee of the College of Education, Chairman of the committee seeking a new dean for the College, and a member of four College of Education committees: Executive Committee, Committee on Promotions in Rank and Pay, Committee for Study of the Financing of Vocational Education in Illinois, and Committee on New Educational Developments. He is a member of a College of Agriculture Committee on Agricultural Education in the Public Schools, and an all-university committee to study the ROTC. He is chairman of the Committee on Emeriti Professors of the local chapter of the American Association of University Professors and a member of the chapter's Policy Committee.

Dr. Deyoe is on leave, and Dr. Hemp's off-campus duties largely preclude committee work. Only the more important and time-consuming committee assignments have been mentioned. H.M.H.

"Sources of Information About Agricultural Occupations--An Annotated Bibliography." This mimeographed publication is available from the Division of Agricultural Education, 103 Gregory Hall, University of Illinois, Urbana. A copy was included with the May Agricultural Releases materials sent out by Vocational

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Bibliography. [illegible]

Agriculture Service. It contains a list of some companies and books for teachers searching for occupational information and a list of publications about specific agricultural occupations. Teachers having no file of information about agricultural occupations could profitably use this list to develop such a file for use in teaching and in providing information for students not enrolled in vocational agriculture. It should also be useful as a basis for consulting with guidance directors and librarians about agricultural occupations available to students in the high school. A.H.K.

Placement Situation. Sixteen schcols are seeking help in obtaining vocational agriculture teachers for the coming year. Several other schools have been "unofficially" reported to have vacancies, but they have not yet requested assistance from the University of Illinois Placement Service. These schools will probably contact the Placement Service in the near future.

There have been a few placements during the past month, and a small number of teachers have activated their credentials for placement. At present there are about 28 inexperienced teachers available from the University of Illinois and Southern Illinois University. Approximately 50 experienced teachers have requested placement assistance, but nearly all of these men are now employed as teachers. L.J.P.

Extramural Course in District 3, Fall Semester. An announcement has been sent to all teachers in District 3 (Sections 11, 12, 13, 14, and 15) about Education E477, Field Studies in Agricultural Education, which will be offered extramurally in that district during the fall semester. All persons who expect to enroll are asked to return the form which was enclosed with the announcement. Several teachers have already returned them. Others who expect to enroll should do so soon so that two centers may be selected and further plans made before the Summer Conference. This course is rotated among the sections of the state and will not be offered again in Section 3 for four or five years. G.P.D.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

This past week a speaker at an adult evening class who is formerly from Texas and acquainted with their programs there and in other states made this comment:

"You fellows here in Illinois are really organized." He was astonished at the amount of adult evening work we are doing. It's this type of thing that makes our job just a little more pleasant.

This is the time of year for new board members to take another look at the salary schedule, job opportunities for next year, and perhaps the satisfactions of the past year. Can you look back and be happy with your accomplishments? It might be that some of your adverse criticism can be used as fuel for you to ask yourself, "Is it justified?"

Perhaps some of the unjustified criticism gets under our skin, and I think it should--but not deep enough to wreck us. The efforts of those in the past have buried much of the complaining.

Through the NVATA Executive Secretary, I received a request form for the D-Con Diary. These should be ready for you at the June Conference.

Plans are well under way for commercial exhibits at our June Conference. Send the names of companies you feel have something of special interest, along with the person to contact, to Dr. Krebs. I feel that this will add much to the Conference.

Please note: Committee chairmen should have written reports to Vo-Ag Service by the second day of the F.F.A. Convention, Thursday, June 9. This will give some committees a chance to finish some last-minute details at the F.F.A. Convention. The committee reports, executive secretaries' reports, and officers' reports will be printed and distributed early during the June Conference. We have been informed that someone will be at the F.F.A. Convention on Thursday to type these reports. Let us have a good I.A.V.A.T. report for 1959-60.

April 1960

PRICE LIST OF FEEDS[1/]

The 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 in dollars per bu., cwt., or T
Corn, yellow, No. 2*, bu.	$ 1.11
Corn, ground, bu.	1.21
Oats, bu.	.72
Oats, ground, bu.	.82
Barley (feed), bu.	.97
Barley, ground, bu.	1.07
Sorghum grain, cwt.	1.71
Sorghum grain, cracked, cwt.	1.81
Garbage and kitchen waste, ton.	8.50
Whole milk, 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.	9.00
Preserved with 150-200 lb. ground corn.	12.00
Clover and mixed hay)	20.00
Cowpea hay) Add $5 per ton	18.00
Soybean hay) for baled hay.	19.00
Alfalfa hay) and straw.	22.00
Timothy hay)	20.00
Corn stover, ton.	12.00
Oat straw, ton.	15.00

*High moisture corn commonly discounted at 1¢ for each 1/2% moisture above 15.5%.

Pasture Rates**

Calves and colts, 6 to 12 months old, 6 cents/head/day
Calves and colts, 12 to 24 months old, 9 cents/head/day
Cattle, 24 months and older, 12 cents/head/day
Pigs, 50 to 100 pounds 1/4 cent/head/day
Lambs up to weaning, 1 cent/head/day
Sheep or lambs after weaning, 2 1/2 cents/head/day

**For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

Prepared by W. W. Albert, Animal Science Department.

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