



The Arkansas HORTICULTURIST

VOL. 2 NO. 1

NOVEMBER 1968

CHANGING TIMES

PRESIDENT HOWARD BISHOP

I would like to express to you some feelings that I have regarding horticulture in general and the production of fruits in particular.

There are many changes and trends taking place each year in the fruit and vegetable industry. We all remember when spraying was done by hand, dragging a heavy fifty-foot hose behind a team pulled, iron wheel sprayer, powered by a novo engine that ran some of the time! How the methods and spraying have changed!

There are many other changes; now we find today that:

1. There is an intense effort, among many companies with a lot of brain power and money, in efforts to manufacture machines that will harvest fruit. For example, at the present time to my knowledge, there are four companies in the United States that are working on phototype models of mechanical grape pickers. I believe that government welfare and assistance programs and changing attitudes of work have resulted in a decreased supply of common labor, and that in the future, mechanical harvesting will be mandatory for large scale harvesting operations.
2. With the retail supermarkets of today, which demand volume of quality products and have low margins, commodity promotion is necessary. Promotion, or advertising, is the price you pay for staying in the market place. A quality product, with good exposure to the public, is necessary in today's market place.
3. There are signs throughout the fruit and vegetable growing industry that growers, due to rapid rise in production costs and with assistance from the Congress and U.S.D.A. in encouraging the development of marketing cooperatives, want to bargain with buyers for a fair equitable price for their commodity.
4. There is improvement in technology aimed at increased efficiency of the plant factory, land use, time and labor investment and improvement of the product in the way it is grown, harvested and handled. Those of you who made the annual summer tour recall the many experiments and studies under way at the main station at Fayetteville that were aimed at improving the product for mechanical harvesting. There were tomatoes, blackberries, blueberries, strawberries, etc., that looked very promising. The direction is towards more chemicals for more kinds of use, more mechanization of different tasks and more well-trained persons. Each producer

must consider new developments and their application to his business, and give them a fair trial, or he will be "behind the times" and less able to compete with those who do so.

There will be increasing production, greater emphasis on the skills of both production and marketing and a very rapid increase in mechanization and adoption of efficiency practices. Now here is where your Society comes to the front. We have a group of wonderful people who have given of their time and talents in the preparation and presentation of this program, their best thinking, plus requests and advice from individual growers, have resulted in the selection of the topics to be discussed. Many outstanding individuals of high professional standing, from out of the state and from our own University of Arkansas will be presented.



Howard Bishop

What a bargain for a membership fee of three dollars, plus our annual summer tour and published proceedings of the annual meeting! Certainly every producer should attend these meetings and keep himself posted and abreast of the very latest developments in the field he is interested in. I sincerely believe any grower, regardless of how experienced he may be, can learn something at these proceedings that will repay him many, many times for the time spent here. What a wonderful opportunity to re-new old acquaintances and make new ones, to meet others in related field and compare experiences of the past year and to further improve ourselves and our thinking as plans are being made for the year ahead!

I feel that our Society needs more members and more statewide participation. There are vegetable, peach and tomato growing sections of the state that are not adequately represented in the membership of the Society. I hope that in the years ahead our membership will become more truly state-wide.

We, as a Society, have made much progress in the past several years. We have several outstanding individuals who have contributed much, and with your permission, I want to mention George Jones and Dr. Roy Rom; they are doing and have done a wonderful job. There are many others who are just as faithful and diligent as George and Roy. May I

89th ANNUAL CONVENTION

Dec. 12-13, 1968
Municipal Auditorium
Fort Smith, Arkansas

- I Two full days of information on Fruit & Vegetables
- II Large Commercial Exhibits Show
- III Ladies Day Program
- IV Social hour — Lunquet — Entertainment

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HOWARD BISHOP

say "Thanks" for the job they have done. If you appreciate as I do the job they are doing for the Society, won't you please tell them so?

GOOD NEWS — The Arkansas State Horticulture Society will be honored by the American Pomological Society Meeting with us in joint session here in the Fort Smith Municipal Auditorium next December, 1969.

LARGE COMMERCIAL EXHIBITS SHOW IN CONJUNCTION WITH A. S. H. S. CONVENTION IN FORT SMITH MUNICIPAL AUDITORIUM

By George W. Jones

The commercial exhibits for the 89th annual A. S. H. S. convention in Fort Smith promise to be one of the **largest and best shows** in the Southern states. At this early date, we have already made reservations for 32 exhibit booths. This show should be particularly interesting, as we have suppliers from many states including Florida, Washington State, Georgia, Michigan, Mississippi, Louisiana, Texas, Oklahoma, Kansas, Missouri, Tennessee, and Arkansas.

Wiederkehr Wineries from Altus has reserved their usual space, and we look forward to visiting with their charming hostesses in their colorful costumes. Rusty Durham of F. E. Myers & Bro's says he will display two or more of those big green monsters at this year's show. John Bean Division of Food Machinery Corporation has also reserved two booth spaces, and they plan to display one of their large red spray rigs. Four of the leading tractor sales companies in Fort Smith including John Deere, Allis-Chalmers, Ford, and International have all rented space.

Forestry Suppliers from Jackson, Mississippi, will display an interesting line of orchard supplies, and Art Inkster says they will again give away **peanuts!** Spot Heaters, Inc., from Orlando, Florida, plans to set up and demonstrate their equipment which will be near the main entrance to the auditorium on the south side of the building. Frank Weaver of Durand Machinery, Inc., of Woodbury, Georgia, manufacturers of the Durand trunk shaker, has reserved booth space. These and many other suppliers of agricultural chemicals, fertilizers, and various types of horticultural supplies will be on hand to greet you at the convention.

We think the commercial exhibits show is a very important and worthwhile part of our convention. This provides a wonderful opportunity for growers and suppliers of agricultural products to visit and exchange ideas on subjects and topics of mutual interest. Growers, be sure that you take the time to visit our commercial displays during the convention! Most of the exhibitors will have factory representatives or specialists from their company at their booth to discuss their products with you.

DON'T FORGET THAT THE SUPPLIERS AT YOUR CONVENTION PROVIDE THE REVENUE FROM THEIR BOOTH RENTAL SPACE THAT PAYS OUR RENT ON THE AUDITORIUM AND MUCH OF THE COST INVOLVED IN BRINGING IN OUT-OF-STATE SPEAKERS AND OTHER NECESSARY COSTS. PLEASE VISIT WITH THEM AND WELCOME THEM AND THANK THEM FOR THEIR PARTICIPATION IN OUR MEETINGS.

PLAN AHEAD

By Dr. Roy C. Rom

The Arkansas State Horticultural Society will hold its 90th annual meeting December 11 and 12, 1969. This grand milestone in our Society's history will be marked by a special event. In answer to our invitation the American Pomological Society will meet jointly with us in 1969. This is indeed an honor and we will be delighted to share our meeting time and place with them.

The American Pomological Society, the "Oldest Fruit Organization in America" was founded in 1848. This grand old organization has had a profound influence on the general development of the fruit industry in America for over 150 years. This society, devoted to variety improvement, is today active in the promoting of breeding and testing of improved fruit varieties, the sponsorship of "true to name nursery inspection" programs, and in the prevention of misnaming and duplicate naming of fruit varieties.

Thus, we can look forward to having many of the nation's leading horticulturists sharing our 1969 meeting with us as we celebrate our 90th year. Plan ahead for 1969.



George A. Bradley

George Bradley was born in the Shenandoah Valley of Virginia and was raised on fruit and truck farms in Virginia and Delaware. Following high school graduation and service in the U. S. Army, he entered the University of Delaware, graduating in 1951 with a B.S. degree with distinction in Horticulture. He obtained the Ph.D. degree in 1955 from Cornell University and immediately joined the Horticulture and Forestry Department at the University of Arkansas as Assistant Professor. He was promoted to Associate and Full Professor in 1958 and 1963 respectively. In 1968 he assumed the headship of the Department of Horticulture and Forestry.

RESEARCH DIVIDENDS IN HORTICULTURE

By Dr. George A. Bradley — Head of Department of Horticulture and Forestry

It was with a mixture of pride and humility that I assumed this year the role of head of the Horticulture and Forestry Department at the University of Arkansas. Dr. Victor M. Watts was a small man physically, but he wore big shoes. Under his leadership the Department of Horticulture and Forestry made great growth and major contributions to the horticultural industry in Arkansas. One of the fine legacies from Dr. Watts' headship is a group of excellent and dedicated professional horticulturists who will continue to contribute to the state in either the Horticulture and Forestry Department or in the newly created Department of Horticultural Food Science. I think I can speak for both departments in pledging fullest cooperation with the Arkansas Horticultural Society in helping Arkansas reach her potential in horticultural production.

I have been guided and will continue to be guided by several strong beliefs: (1) That the future of Arkansas looks good; (2) that the future of horticulture in Arkansas looks good; (3) the University through its teaching, research and service efforts can make major contributions to the future of both Arkansas and horticulture.

As I familiarized myself with the many projects in our research program, it became evident that many good answers to horticultural problems are in store. If you are a fresh market tomato grower, you can look forward to having a new variety with high yields, high quality and greatly improved crack and disease resistance. You can also look for varieties that will set better under cool or hot conditions. New varietal, cultural and harvesting developments may also result in a significant processing tomato industry in Arkansas.

New developments in southern pea varieties and culture should result in a greatly increased acreage in this crop.

Strawberry growers may see the unbelievable soon in a total system for mechanized harvest, including varietal, cultural and harvesting programs, all the result of U. of A. research.

Exciting new developments for three fruit growers are also on the way — such things as size controlling rootstock especially adapted to Arkansas conditions, and new growth controlling chemicals.

These represent only a few examples of the imaginative research that will be required to keep our industry moving ahead. We ask for your continued support and solicit your advice in meeting the horticultural challenge ahead. Working together, we can keep horticulture strong in Arkansas.

WHAT WE LEARN BY FAILURES

By Roy C. Rom, Secretary

This topic title is taken from an article by Jacob Faith which appeared in the 1896 Report of the State Horticultural Society of Missouri. So much of what Mr. Jacob Faith said 72 years ago is true and timely that I thought it would be fun to look at it again today. The narrative is by Mr. Faith. The questions asked are mine and they apply to all of us.

"ONE CAUSE OF FAILURE AND PERHAPS THE GREATEST IS THAT MANY ARE TOO STINGY TO PAY A MEMBERSHIP IN OUR STATE HORTICULTURAL SOCIETY, BY WHICH THEY WOULD GET NEEDED LIGHT AND KNOWLEDGE, AS DEVELOPED IN THE LIFE LONG EXPERIENCE IN FRUIT-CULTURE OF THOSE WHO BOTH, BY SUCCESS AND FAILURE, KNOW HOW TO AVOID EXPENSIVE MISTAKES AND HOW TO ACCOMPLISH THE BEST RESULTS: MEN WHOSE LIVES ARE SPENT MORE IN INTERESTS OF OTHERS THAN THEMSELVES."

Are you an active member of the Arkansas Horticultural Society?

"IF I HAD AN ENEMY THAT WANTED TO GROW FRUIT AND HAD NO EXPERIENCE AND I WANTED TO KEEP HIM POOR, I WOULD ADVISE HIM TO WORK EVERY MOMENT, TO NEVER READ A HORTICULTURAL PAGE, AND TO BUY ALL THE NEW VARIETIES OF TREES AND PLANTS THE GLIB-TONGUED TREE AGENT OFFERED HIM."

Are you so busy working that you never have time to learn?

"IF WE AIM TO SUCCEED WE MUST DEVOTE NOT LESS THAN ONE-FOURTH OF OUR WORKING HOURS TO EYE AND BRAIN WORK LOOKING AROUND—AND ASKING FRUIT GROWERS WHO ARE HONEST FOR ADVICE."

Are you spending enough time walking your orchards and observing problems before they overwhelm you? Are you willing to accept advice?

"I HAVE WATCHED AND TAKEN NOTES OF THE SIGNS OF THE MOON, BUT HAVE NEVER BEEN ABLE TO DISCOVER ANY DIFFERENCE, BUT HAVE SEEN A BIG DIFFERENCE IN FAVOR OF GOOD CARE AND CULTURE."

Are you giving proper care to your orchard, or is moonlighting involving too much of your time?

"IT IS A GREAT MISTAKE NOWADAYS NOT TO STUDY FRUIT-CULTURE AND TO GATHER UP ALL THE EXPERIENCE OF FRUIT-GROWERS TO ENABLE US TO AVOID MISTAKES BY TAKING ADVANTAGE THEREOF."

Are you going to attend the Arkansas State Horticultural Society meeting on December 12 and 13? Are you going to gather up the experience of others, the experts, or are you going to make the same old mistakes in 1969?

Can we afford to learn by failure?

FEDERAL FOOD AND DRUG AUTHORITY TO ADDRESS CONVENTION



Kenneth A. Hansen, Acting Chief Chemist from the Food and Drug Administration District Laboratory in Dallas, Texas, will give an address to the General Session entitled "Pesticide: Regulations and Residues". He will use a 15-minute color film entitled "Safe Use of Pesticides" and color slides to accompany his talk.

Mr. Hansen is a native of Illinois and attended the University of Maryland and the University of Cincinnati where he obtained his B.S. Degree in Pharmacology. Mr. Hansen was appointed chemist in the Food and Drug Administration District Laboratory at Denver in 1959. In 1966 he was transferred to Dallas as Supervisory Chemist of the Pesticide Residue Laboratory and is currently serving as Acting Chief Chemist of the Dallas district.

His comments are expected to be of interest and value to all growers, shippers, and processors.



QUEEN ELBERTA XXV OF ARKANSAS

Miss Sandra Castleberry, Queen Elberta for Arkansas, will be an honor guest at the 89th annual A.S.H.S. convention banquet in Fort Smith Thursday evening, December 12, 1968.

Sandra is a graduate of Lamar High School and now attends Arkansas Tech where she is majoring in business. She was a cheerleader for four years at Lamar High. She was selected Miss Personality at Area Junior Miss Activity Contest and represented Arkansas at the National Junior Miss Contest in Mobile, Alabama. Sandra is a member of the Order of Rainbow for Girls, member of Methodist Church, and second vice president of State Future Homemakers of Arkansas.

ATTENTION LADIES!

ARKANSAS STATE HORTICULTURAL SOCIETY LADIES DAY PROGRAM (Program Committee — Mrs. C. D. Teague and Mrs. J. P. Teague)

WHEN: THURSDAY, DECEMBER 12, 1968

TIME: 9:45 a.m.

WHERE: Meet registration desk in lobby of Fort Smith Municipal Auditorium

COST: Luncheon — \$2 per person

SCHEDULE OF EVENTS

9:45 a.m. — Bus departure from Municipal Auditorium

10:00 a.m. — Fort Smith Art Center

Exhibit of "Christmas Trees Around the World"

Sales — rental gallery

Unusual gift shop

11:30 a.m. — Bus tour of residential area

12:15 p.m. — Lunch — Mrs. C. D. Teague, Mistress of Ceremonies

Emmy's Zum Deutschen Eck, delightful German restaurant

Door prizes

1:45 p.m. — Tour of Joseph Knoble Brewery restoration by owner, Mr. Carl Wortz, Jr.

DOOR PRIZES:

Boston Store, Fort Smith, Arkansas
Boyce Wofford Co., Inc., Alma, Arkansas
Kopper Kettle, Van Buren, Arkansas
Newton's Jewelers, Fort Smith, Arkansas

ACKNOWLEDGEMENTS:

Mrs. Everett C. Moulton, Jr., President, Fort Smith Art Center

Mr. Carl Wortz, Jr., President, Wortz Crackers and Cookies Company, Fort Smith, Arkansas

Mr. Larry Tate, Tate Flower and Gift Shop, Van Buren, Arkansas

Bryant Preserving Company, Alma, Arkansas

MICHIGAN GROWER ADVISOR TO DISCUSS PROS AND CONS OF HEDGE ROW APPLE PLANTINGS

Mr. Frank Owen of Hartford, Michigan, will discuss with apple growers the Pros and Cons of The Hedge Row Plantings. Mr. Owen is a graduate of Michigan State University with a Master of Science Degree in Pomology. Following graduation, he served as an extension specialist in Maine for 4 years after which he gained renown as an Extension Pomologist in Illinois over a 12-year period. He is a recognized authority on tree handling during the formative years of an orchard. In 1967 he assumed his present position as grower advisor with the Hilltop Nursery, Hartford, Michigan.

6:30 p.m.—Cocktail Party*
Wine compliments of Wiederkkehr
Wineries, Altus, Arkansas
7:30 p.m.—Banquet
Master of Ceremonies, Mr. Carl Rose,
County Agent, Washington County
Invocation: Mr. Wayne Montgomery,
Associate County Agent,
Crawford County
Entertainment: Spectacular Variety
Show of Local Artists

GENERAL SESSION

Thursday Morning, December 12

Mr. Howard Bishop, President, A. S. H. S., Presiding
9:00—Registration—Hospitality—Commercial Exhibits
9:45—Call to Order. 89th Annual Meeting, President
Bishop
9:50—Welcome to Fort Smith, Mr. J. C. Alexander, Fort
Smith Chamber of Commerce
9:55—What's Ahead for Horticulture!
Dr. John White, Vice President for Agriculture,
University of Arkansas
10:05—Pesticide: Regulations and Residues
Dr. Kenneth A. Hansen, Acting Chief Chemist,
Department of Health, Education, and Welfare,
FDA, Dallas, Texas
10:40—Fertilizer Control—Bulk Blending and Grades and
Ratios
Mr. Henry Desalvo, Director, Division of Feeds,
Fertilizers and Pesticides, Arkansas State Plant
Board, Little Rock, Arkansas
11:15—Horticultural Irrigation
Mr. Charles F. Cromwell, Jr., Department of
Agricultural Engineering, University of Missouri,
Columbia, Missouri
11:50—Announcements

APPLE SECTION

Thursday Afternoon, December 12

Mr. Oliver Adams, Presiding
1:30—Smother's Brothers Apple Sequence Film N.A.I.
1:45—What To Do Following A Bad Scab Year
Dr. D. A. Slack, Department of Plant Pathology,
University of Arkansas
2:10—Apple Grades and Standards
Mr. Chester Dotson, U.S.D.A. C & MS, Oklahoma
City
2:40—Roadside Marketing of Apples
Panel: Mr. Earl Allen, Extension Specialist,
Horticulture, Moderator
Ronnie Allen, Fred Norris, Ralph Banta,
Roy Lambert, Extension Specialist, Mar-
keting
3:10—Break
3:20—Orchard Irrigation in Practice
Grower Experience: Fred Vanzant
Frank Holt
Forrest Rodgers
3:40—An Arkansas Apple Association—Do We Need It?
What Will We Gain By It?
Discussion: Forrest Rodgers, Grower, Lincoln,
Arkansas, Curt Eckert, Grower,
Belleville, Illinois
4:00—Adjourn
Visit Commercial Exhibits

GRAPE SESSION

Thursday Afternoon, December 12

Dr. J. N. Moore, Presiding
Mr. Howard Anderson, Springdale, Arkansas, Dr.
Joe Fleming, Department of Horticultural Food
Science, University of Arkansas
2:30—Gibberellin Acid and Girdling Effects on Grapes
Mr. Elvin Brown, Department of Horticulture,
University of Arkansas
3:00—Intermission
3:10—Grape Disease Situation
Dr. D. A. Slack, Department of Plant Pathology,
University of Arkansas
3:30—Foliar Fertilizer Application on Grapes
Mr. Clayton Tompkins, Altus, Arkansas
Mr. Al Wiederkkehr, Altus, Arkansas
4:00—Adjourn

PEACH SECTION

Thursday Afternoon, December 12

Mr. Cole Westbrook, Superintendent, Fruit Substation,
Clarksville, Arkansas, Presiding
1:30—Advances in Herbicide Programs for Peach
Orchards
Mr. Gene Arntington, Peach Substation, Univer-
sity of Arkansas, Nashville, Arkansas
2:00—The Short Tree Life Problem
Dr. Earl R. Savage, Department of Horticulture,
University of Georgia, Experiment, Georgia
2:50—Chemical Thinning of Peaches With C.P.A.
Dr. Robert K. Clark, Jr., AMIDAL Company,
Division of Abbott Laboratories, North Chicago,
Illinois
3:20—Arkansas Peach Thinning Research
Dr. Roy C. Rom, Department of Horticulture and
Forestry, University of Arkansas
3:35—Mechanical Peach Thinning
Mr. Lloyd Yarbrough, Clarksville, Arkansas
3:50—A Bird's-Eye View of the Colorado Peach Industry
Mr. Allen Jones, N.P.C. Second Vice President,
Pallade, Colorado
4:30—Adjourn

VEGETABLE SECTION

Thursday Afternoon, December 12

Presiding—Mr. Henry Vose, Assistant Professor in Charge,
Vegetable Substation, Van Buren, Arkansas
1:30-2:00 Fertilization of Vegetable Crops
Dr. James K. Greig, Professor of Horticulture,
Kansas State University, Manhattan, Kansas
2:00-2:15 New Herbicides
Dr. Ron Talbert, Assistant Professor of Agron-
omy, University of Arkansas
2:15-2:35 Coffee Break
2:35-4:30 Varieties and Breeding Developments for South-
ern Conditions Panel—Dr. George Bradley,
Chalman; Head, Department of Horticulture
and Forestry, University of Arkansas, Dr.
Charles Hall, Professor of Horticulture, Kansas
State University, Dr. Jack Goode, Professor
of Plant Pathology, University of Arkansas,
Dr. John Bowers, Professor of Horticulture,
University of Arkansas, Dr. Joe McFerran,
Professor of Horticulture, University of Ar-
kansas

12-13, 1968

ION DINNER PARTY

December 12, 1968

Banquet Hall

7:30 p.m. — Door Prize Drawing

Presentation of Queens:

American Honey Queen
Queen Elberta XXV
Grape Festival Queen
Strawberry Festival Queen
Queen Concordia LXX

Awards

Second Door Prize Drawing

*For Holders of Banquet Tickets Only

GENERAL SESSION

Friday Morning, December 13

Mr. Hal Wardell, President, Ozark Cannery and

Freezers Association, Presiding

9:30 — Expansion Through Division — Introduction of

Two Departments: Moderator — Mr. George

Jones, Produce Manager, Gerber Products Com-

pany

Dr. George Bradley, Chairman, Department of

Horticulture and Forestry

Dr. Ahmed Kartan, Chairman, Department of

Food Science

9:50 — Breeding for Insect Resistance

Dr. Charles Hall, Department of Horticulture and

Forestry, Kansas State University, Manhattan,

Kansas

10:30 — Alan, A Growth Regulator With Great Horticultural

Promise

Dr. Jere Brittain, UniRoyale Company, Bethany,

Connecticut

11:20 — Annual Business Meeting

Presidential Address — Howard Bishop

Election of Officers

Reports

APPLE SECTION

Friday Afternoon, December 13

Mr. Fred Norris, Presiding

1:30 — Foliar Feeding and Fertilizers in Orchards

Stanley Brown, Department of Horticulture and

Forestry, University of Hedge Row Plantings

1:45 — Pros and Cons of Hedge Row Plantings

Mr. Frank Owen, Orchard Consultant, Hilltop

Nurseries, Hartford, Michigan

2:30 — An Approach to Mechanical Harvesting of Hedge

Rows

Film Prepared by Dr. Arnold Berlage, USDA,

Wenatchee, Washington

2:40 — Fertilizer Practices in Young Orchards

Panel: Dr. Justin Morris, Moderator

John Auffer, Frank Owen, Ken Ford,

Ronnie Allen

3:10 — Factors Affecting Finish and Quality of Apples

Dr. Justin Morris, Department of Food Science

Agricultural Extension Service

3:30 — Herbicides in Orchards

Dr. Roy C. Rom, Department of Horticulture

Forestry, University of Arkansas

3:45 — (Question Period)

GRAPE SECTION

Friday Afternoon, December 13

Mr. Earl Allen, Presiding

1:30 — Geneva Double Curtain System of Training

Mr. Mike Taylor, Springdale, Arkansas

Mr. T. P. Ireland, Rogers, Arkansas

Dr. W. D. Wylie, Farmington, Arkansas

2:00 — Grape Insect Situation

Dr. W. D. Wylie, Department of Entomology,

University of Arkansas

2:30 — Present Status and Future Potential of Arkansas

Wine Industry

Mr. Al Wiederkehr, Altus, Arkansas

Mr. Eugene Post, Altus, Arkansas

3:00 — Potential for Fresh Market Grapes

Dr. J. N. Moore, Department of Horticulture,

University of Arkansas

3:20 — Question Period

3:45 — Adjourn

PEACH SECTION

Friday Afternoon, December 13

Mr. W. J. Rimmer, Johnson County Agent,

Clarksville, Arkansas, Presiding

7:30 a.m. — Peach Growers' Breakfast, Downtown Holiday

Inn

1:30 p.m. — Peach Section

Mr. W. J. Rimmer, Johnson County Agent

Clarksville, Arkansas, Presiding

1:30 — Progress Report on Peach Borer Research

Dr. W. D. Wylie, Entomology Department,

University of Arkansas

2:00 — Government Buying of Surplus Peaches

Specialist, ASCS, Little Rock, Arkansas

2:30 — Peach Marketing Situation

Mr. Jett, Buyer, Nashville, Arkansas

3:00 — The Gerber Market for Peaches

Mr. Fred Stecher, Gerber Products Company,

Fort Smith, Arkansas

3:20 — Use of Cold Storage in Marketing Peaches

Mr. Lloyd Yarbrough, Clarksville, Arkansas

3:35 — Spray Program Review

Dr. Jim Roberts, Extension Entomologist,

University of Arkansas

4:00 — Question Period

Adjourn

VEGETABLE SECTION

Friday Afternoon, December 13

Presiding — Mr. Wayne Montgomery,

Associate County Agent of Crawford County

1:30-2:15 Green Bean Diseases

Dr. Jack Goode, Professor of Plant Pathology,

University of Arkansas

2:15-2:30 Coffee Break

2:30-3:15 Looper Control

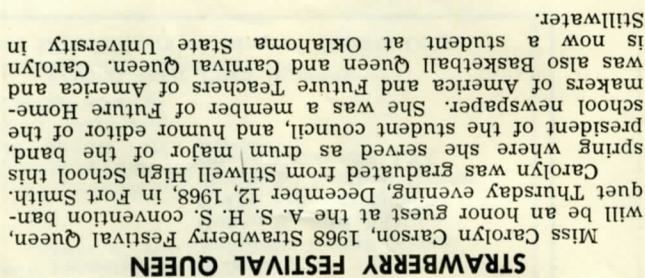
Dr. W. D. Wylie, Professor of Entomology,

University of Arkansas

3:15-3:30 Summary and Remarks

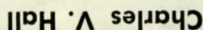
Mr. Henry Vose, Assistant Professor in Charge,

Vegetable Substation, Van Buren, Arkansas



DR. BRITAIN TO DISCUSS
"ALARM" GROWTH REGULATOR

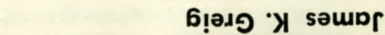
Dr. Jere Brittain of the Uniroyal Company, Bethany, Connecticut, will discuss "Alar, A Growth Regulator of Great Horticultural Promise" at the General Session on Friday, December 13. As a representative of the Uniroyal Company, he has advanced from Area Field Representative to Supervisor. Jere is known in the Southeast for his research work on Alar as a growth-retarding chemical on peanants and peaches.



Dr. Charles V. Hall, Associate Professor of Horticulture, Kansas State University, will speak at the General Session on the subject "Breeding Crops for Insect Resistance". He will also appear on the Vegetable Commodity Section on a panel to discuss "Breeding Wine Crops for Southern Conditions".

Dr. Hall led the research team that developed Clemson Sweet Watermelon Variety which is well adapted and now grown extensively in Arkansas. He has done extensive work in breeding insect-resistance in vegetable crops during the past years and has received national recognition for his contribution to the improvements of vegetable varieties.

Dr. Hall is a native of Ash Flat, Arkansas, and received both his Bachelor and Master of Science Degrees from the University of Arkansas.

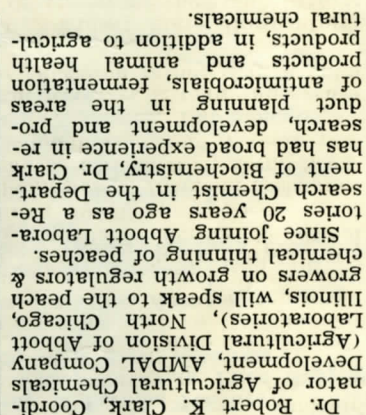


KANSAS HORTICULTURE SOCIETY OFFICIAL
TO ADDRESS VEGETABLE GROWERS AT
A. S. H. S. 89th ANNUAL CONVENTION
IN FORT SMITH

Dr. James K. Greig, Professor of Horticulture, Kansas State University, and Secretary, Kansas State Horticulture Society and Kansas Vegetable Growers Association, will address the Vegetable Commodity Section on the subject of "Fertilization of Vegetable Crops".

Dr. Greig is a native of Van Buren, Arkansas, and obtained his Bachelor and Master of Science Degrees from the University of Arkansas. He is noted for outstanding research in the fields of vegetable physiology, soil fertility, and chemical weed control. He recently published an article for the American Horticultural Science entitled, "Affect of Nitrogen Levels and Minor Elements on Yield, Chlorophyll, and Mineral Content of Spinach".

ILLINOIS SCIENTIST TO DISCUSS
CHEMICAL THINNING OF PEACHES



ARKANSAS STATE HORTICULTURAL SOCIETY
Officers and Board Members 1968

VICE PRESIDENT _____ Lloyd Warbrough, Clarksville
PRESIDENT _____ Howard Bishop, Lowen
SECRETARY _____ Roy C. Rom, Fayetteville
TREASURER _____ Earle H. Brown, Fayetteville
BOARD OF DIRECTORS _____ Fayetteville Arkansas Extension

Earl Aulen	Representative to State Plant Board
Howard Anderson	
W. F. "Bill" Auflet	
Robert Basham	
Dan Bryan	
Kenneth Ford	
George Jones	
Ralph McClure	
Fred Norris	
Forest Rodgers	
Lincoln, Arkansas	
Green Forest	
Tree Fruits	
Fruit	
Vegetables	
Van Buren, Arkansas	
Lowell, Arkansas	
Gyles Walker	
Al Wiederkehr	
Altus, Arkansas	
Grapes	
Vegetables	
Grapes	
Extension	
Grapes	
Fruit	
Peaches	
Proc.—Grapes	
Nashville, Arkansas	
Fort Smith, Arkansas	
Proc.	
Vegetables	
Tree Fruits	
Fruit	
Vegetables	
Lincoln, Arkansas	
Forest Rodgers	
Fred Norris	
Ralph McClure	
George Jones	
Kenneth Ford	
Nashville, Arkansas	
Fort Smith, Arkansas	
Proc.	
Vegetables	
Tree Fruits	
Fruit	
Vegetables	
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Forest Rodgers	
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FINANCING A HIGHER EDUCATION

(with little help from dad)

The University of Arkansas believes that any capable student who sincerely desires a college education but who lacks the necessary funds can find the means to finance his or her way.

There are several varied sources of financial assistance available to college students. The University of Arkansas is able to offer over 250 scholarships which range from \$100 to \$600 a year. Many of these are granted only to agricultural or home economic students. Sears Roebuck Foundation, Arkansas Agricultural Cooperative and Arkansas Electric Cooperative Scholarships are examples. Other scholarships are available only to students in Horticulture or Food Science. The Institute of Food Technology (\$500 & \$1,000), the Gerber Products Co. (\$500), Arkansas Federation of Garden Clubs (\$250) and the Ozark Cannery and Freezers Association (\$250) awards are specific examples. The basis for these awards is financial need as well as scholarly achievement.

Another source of assistance is through the "Educational Opportunity Grants Program," which provides up to \$800 per school year for students from low income backgrounds. Also available are National Defense Student Loans which may amount to \$1,000 per year. They bear simple interest of 3% beginning 9 months after graduation. No interest is charged during a period of Armed Service or Peace Corps duty. Repayment is due within 10 years; however, 50 to 100% of the loan + interest may be cancelled if the borrower serves as a full time teacher in a public or non profit elementary or secondary school. Guaranteed student loans through private banks are available to students from families of less than \$15,000 per year income with the Federal Government paying all the interest while the student is in school and 3% during the repayment period. Your county agent has additional information on another program, "Rural Endowment Loans". Borrowing money for higher education is a sound investment.

The time honored expression of working your way through school is more true than before, and opportunities exist to make this truly on the job training with pay. Each department in the College of Agriculture employs work study students, a program sponsored by the office of Economic Opportunity. Under this program, students work up to 15 hours a week. To quality, students must come from low income families; example, \$5,800/year with 4 children in the family, and have a minimum of a "C" high school average. During the summer, full 40-hour week employment is provided. For freshmen the wage rate is \$1.25 per hour with increases for each year's experience. Part time hourly help, with funds derived from department budgets is also available, during the school year and particularly during summer periods.

Under some special circumstances, financial assistance for a college education may be derived from Social Security benefits, Vocational Rehabilitation and Veteran programs.

Today, lack of financial resources is really an excuse for not pursuing a higher education rather than a valid reason. As a member of the Arkansas State Horticultural Society or one of its friends, encourage the youth in your community to pursue a higher education to the full limit of his or her ability and desire. For more detailed information on Scholarships, Grants, Loans, and Work Study programs, write to the Coordinator of Student Aid, University of Arkansas or to Dean Glenn Hardy, College of Agriculture and Home Economics, University of Arkansas.

GEORGIA PEACH RESEARCH SCIENTIST TO DISCUSS "PEACH TREE LIFE PROBLEMS"

Dr. Earl F. Savage, the most knowledgeable peach researcher in the Georgia Peach State, will discuss the peach tree life problem. In recent years Dr. Savage has concentrated his efforts on the effects of winter environment on peach tree survival.

His pilot work was rewarded by a \$45,000 grant from the Federal Government for continuation of his current programs. Now, after several years of concentrated work, progress reports on his recent findings can be anticipated as he speaks to the Arkansas peach growers.

"ARKANSAS HORTICULTURIST" SPONSORS

A WORD ABOUT THE

The companies or firms listed below have contributed the funds necessary to publish our November 1968 edition of the "Arkansas Horticulturist". When you have the opportunity to visit with these people, it would be nice to express appreciation.

1. "Congratulations Arkansas Fruit Growers on Another Good Year! Wish You the Best of Success for 1969!" Stark Brothers Nurseries and Orchard Company Louisiana, Missouri
2. "We Hope We May Continue to Serve You in the Future." "Supporting the Horticulture Industry in Carroll County!" First National Bank Green Forest, Arkansas
3. "Congratulations on the Second Edition of the 'Arkansas Horticulturist' and Another Successful Year for the Horticultural Society!" Wiederkehr Wine Cellars, Inc.
4. "Supporting the Arkansas Hort Society! A Good Bank in a Good Town" First State Bank Springdale, Arkansas
5. "We are Pleased to be Supplying Quality Containers for Many Producers in Arkansas. We Wish You Success at Your 89th Annual Convention." Nashville Basket Company Nashville, Arkansas
6. "Congratulations A. S. H. S." "Comments of Farmers National Bank, Clarksville, Arkansas
7. "Congratulations A. S. H. S. on Another Year of Growth!" Niagara Chemical Division—FMC Corporation Niagara Chemical SRS Seeds

8. "We are Happy to be Furnishing Quality Seed for Many Growers in Arkansas and Hope We May Continue to Serve You" Ferry Morse Seed Company
9. "Congratulations on Your 89th Convention" "Comments of Little Rock Basket and Crate Company Little Rock, Arkansas
10. "Congratulations Arkansas Horticultural Society." First National Bank Springdale, Arkansas



QUEEN CONCORDIA LXX

Miss Zita Mantegani, Queen Concordia LXX, from Tontitown, Arkansas, will be an honor guest at the A. S. H. S. convention banquet Thursday evening, December 12, 1968, in Fort Smith.

Zita, daughter of Mr. and Mrs. Gildo Mantegani, is 18 years old. She was graduated from Springdale High School in 1967 as an honor student. She is presently employed in Springdale.

1968 ARKANSAS STATE HORTICULTURAL SOCIETY COMMITTEES

- PROGRAM —**
General Sessions:
 Roy Rom — Jim Moore — Forrest Rodgers
Grape Section:
 Jim Moore — Howard Anderson
 Fred Vanzant — Dan Bryan
Vegetable Section:
 Henry Vose — George Bradley — Ferrell Swearingen
 Ralph McClure — Fred Stecher
Fruit Sections:
 Fred Norris — Kenneth Ford
 Forrest Rodgers — Fred Vanzant — Her-
 man Young — Gene Arrington — Dave
 Faucett — W. D. Wiggins
REGISTRATION —
 Bernie Colvis — Joe Valle — Wayne Montgomery
AWARDS —
 Joe McFerran — Howard Bishop — Tom Rothrock
ATTENDANCE —
 Justin Morris — Earl Allen
 County Agents from Arkansas and Oklahoma
BANQUET AND LOCAL ARRANGEMENTS —
 George Jones — Al Wiederkehr
 John Karber — Bill Watson
QUEEN COMMITTEE —
 Earl Allen — Carl Rose
HOSPITALITY BOOTH AND DECORATIONS —
 E. H. Pritchett — Mrs. Hal Brewer — Mrs. Lloyd Yarborough
 Mrs. Al Wiederkehr — Mrs. Gyles Walker — Fred Stecher
COMMERCIAL EXHIBITS —
 George Jones — Harold Hurst — Al Green — Ferrell Swear-
 ingen — Delton Price — Billy Graham — Ralph McClure
LADIES DAY PROGRAM —
 Mrs. C. D. Teague — Mrs. J. P. Teague
DOOR PRIZES —
 Fred Stecher — Hadden Pritchett
 Hal Brewer — Gyles Walker



**VICE PRESIDENT OF NATIONAL PEACH COUNCIL
TO SPEAK AT A. S. H. S. CONVENTION**

Mr. Allen Jones, Second Vice President of National Peach Council and largest fruit grower in Mesa County, Colorado, will speak to Arkansas peach growers on the subject of the peach industry in Colorado. He produces peaches, pears, apples, and cherries and is also a packer and shipper.

Allen is very active in the agricultural industry. He is a Commissioner of Agriculture (appointment by the Governor), Chairman of both the Western Colorado Advisory Committee and Research Advisory Committee to the State Board of Agriculture (governing board of Colorado State University). He has been on the Board of Directors of the National Peach Council since 1959 and serves as Chairman of the Mesa County Peach Board of Control. He is a past president of Colorado Horticultural Society.



ALTUS GRAPE FESTIVAL QUEEN

Miss Phoebe Jones, 1968 Queen of the Altus Grape Festival, will be an honor guest at the 1968 A. S. H. S. convention banquet Thursday evening, December 12, 1968, in Fort Smith.

Phoebe is a junior at Ozark High School where she is a member of the marching band and stage band. She has received 12 first place medals at state and regional band festivals in the past three years. She is a member of the Beta Club, Order of Rainbow for Girls, First United Methodist Church, and is vice president of the Junior Academy of Science and last year was presented the Outstanding Award of Achievement. She plans to attend the University of Arkansas and become a dental hygienist.

MISS AMERICAN HONEY QUEEN



Miss Janis Barnes, the 1968 National Honey Queen, will be an honor guest at the A. S. H. S. convention banquet in Fort Smith Thursday evening, December 12, 1968. Janis was an honor guest at the 1967 A. S. H. S. banquet as Arkansas Honey Queen and later participated in the American Beekeeping National Convention in Niagara Falls, New York, to win over eight finalists and become the American Honey Queen of 1968. She is a senior at the University of Arkansas in Fayetteville; and after completing her personal appearance tours in various cities over the U. S. A. as Miss American Honey Queen, she plans to return to the University of Arkansas to finish requirements for her B. S. B. A. Degree in Marketing.

Janis was very active in high school activities and continues to participate in numerous clubs and societies at the University of Arkansas. She is the daughter of Mr. and Mrs. Maurice R. Barnes of Berryville, Arkansas. She has represented the American Honey Industry at major food shows, state fairs, conventions, and other groups throughout the United States. The A. S. H. S. is honored to have Janis as a guest at our 89th annual convention.