

Minutes
Business Meeting
Southern Section, American Society of Animal Science
Opryland Hotel, Nashville, TN
February 6, 1989

The annual business meeting of the Southern Section, American Society of Animal Science was called to order by President Charles R. Long in the Sevier Room of the Opryland Hotel in Nashville, TN at 5:00p.m. on Monday, February 6, 1989. The following items of business were transacted at the meeting.

1. Welcome to Tennessee. Dr. J. B. McLaren of the Animal Science Department at the University of Tennessee welcomed the group and expressed the hope that our stay was a pleasant one.
2. Recognition of Past-Presidents. President-Elect A. L. Eller, Jr., introduced the following Southern Section ASAS Past-Presidents in attendance: David Spruill, Gary Cromwell, Clarence Ammerman, Bill Luce, James R. Hill, Bob McGuire, C. J. Brown, Joe Fontenot and George Mitchell. ASAS Past-Presidents in attendance were Joe Fontenot, Virgil Hays, Clair Terrill and Milton Wise.
3. ASAS President's Report. Dr. Bobby Moser from Ohio State University and current ASAS President discussed several topics of importance to the society. The ASAS Board has identified two high priority areas for major emphasis. These are to have a high quality annual meeting and to produce a high quality journal. Other areas emphasized were continued development of the Outreach Program, animal products and human diets. Starting January 1, 1989, each paper published in the journal will have a new section called "Implications". The purpose of this section will be to indicate how the results of the study might be used in the field or in suggesting future research. Four societies, ASAS, ADSA, Poultry Science and Meat Science, are considering the establishment of a Federation of Animal Societies to have one voice and a stronger influence on legislation in Washington and to improve funding. Dr. Moser stressed the importance of international meetings and thanked people who worked on committees.
4. Executive Vice-President's Report. Dr. Robert Zimbleman presented the major objectives for the next calendar year by his office. These are Scientific Outreach, Commodity Relations, Government Interactions, Outreach to General Public and Other Organizations, Membership Development and International Interactions. He stressed the importance of the first three objectives. The Scientific Outreach program attempts to get information to important groups that impact on Animal Science. The Commodity Relations program attempts to improve relations between scientific societies and producer groups.
5. Secretary-Treasurer's Report. Don Franke gave the financial report for 1988. One hundred seventy abstracts were received from members, three of which were rejected by Program Committees. Four invited abstracts for a symposium were accepted, giving 171 abstracts published in the Abstracts Booklet. Minutes from the 1988 Business Meeting were presented. A motion was made and seconded for approval as distributed. A question arose

relative to different balances in the financial report at the end of 1987 and the beginning of 1988. The motion for approval passed, pending clarification of the different balances.

6. Banquet Report. Dr. A. L. Eller, Jr., reported that all banquet plans were completed. Mr. L. H. "Cotton" Ivy, Tennessee Commissioner of Agriculture will be the speaker.
7. Recognition of Industry Supporters. President Charles Long recognized the following companies for support at our annual meeting:
 - a. Extension Excellence Award - IMC/Pitman-Moore, represented by Dave Meisinger and Dale Kenison.
 - b. Young Animal Scientist Award - Carl S. Akey, Inc., represented by Dwight Armstrong.
 - c. Extension Luncheon - Hoechst-Roussel Agri-Vet Co., represented by Gil Myers.
 - d. Animal-Dairy Science Reception - IMC/Pitman-Moore, Inc., represented by Dave Whittington.

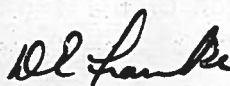
Dr. Gary Cromwell recognized those sponsors providing support of \$100 to \$200 for various activities as needed. A total of \$3600 was reported for 1988. These sponsors include Alltech, Inc., Nicholasville, KY; Bio-Zyme Enterprises, Inc., St. Joseph, MO; Carl S. Akey, Inc., Lewisburg, OH; Central Soya, Decatur, IN; Ceva Laboratories, Inc., Overland Park, KS; Church and Dwight Co., Inc., Princeton, NJ; Degussa Corp., Ridgefield Park, NJ; Diamond V. Mills, Inc., Cedar Rapids, IA; Farmers Friend Minerals, Louisville, KY; Gold Kist, Inc., Atlanta, GA; Hoffmann-La Roche, Inc., Nutley, NJ; Kocide Chemical Corporation, Casa Grande, AZ; Lilly Research Laboratories, Greenfield, IN; Merck, Sharp and Dohme Research Labs, Rahway, NJ; Moorman Manufacturing Co., Quincy, IL; Music City Supplement, Inc., Nashville, TN; Nutrius, Inc., Brecksville, OH; Purina Mills, Inc., St. Louis, MO; SmithKline Beckman Corp., Philadelphia, PA; Southern States Cooperative, Inc. Richmond, VA; Syntex Animal Health, Inc., Des Moines, IA.

8. Symposia. Dr. Long reported that three symposia were organized for this year's meeting. These include the Nutrient Absorption Symposium, the Physiology-Extension Symposium on Estrus Synchronization of Cattle and the Joint Agronomy, Dairy and Animal Science Symposium.
9. Joint Session. No report was given.
10. Membership Development - Dr. Charles Long presented this report in the form of a handout. A motion was made that the report be accepted. It was seconded and was approved.
11. Awards Competition. Dr. Debra Aaron, Chairman of the Awards Competition Committee, gave the report. Twelve abstracts were received and eleven were presented in the Awards Competition Section.
12. Academic Quadrathlon. Dr. Wayne Greene reported on the Academic Quadrathlon results. Ten teams participated. The winners were: 1st place - Oklahoma State University, 2nd place - Virginia Tech, 3rd place - Texas A&M. An Academic Quadrathlon report is filed with these minutes.

13. Extension Report. Dr. J. R. Jones reported that 13 papers were presented in the Extension Section. Also, Extension was jointly sponsoring a symposium with Physiology on Estrus Synchronization. Officers for the coming year in the Extension Section are Larry Hudson (South Carolina) Chairman, Steve Umberger (WPI) Chairman-Elect, and Glen Selk (Oklahoma) Secretary.
14. Necrology. Dr. K. M. Barth gave the Necrology Report. Colleagues that passed away during the past year include Lewis F. Cato of South Carolina and Dr. George L. Ellis of Florida. A Necrology Report is filed with these minutes.
15. Resolutions. Dr. Robert Albin read the following resolutions offered by the Resolutions Committee:
 1. Whereas, Middle Tennessee State hosted the Laboratory Practicum for the Academic Quadrathlon, and whereas, it was conducted in an efficient, professional and competitive manner, BE IT RESOLVED that the Southern Section of ASAS express its thanks for the contributions of Middle Tennessee State.
 2. Whereas, the officers and program committees of the Southern Section of ASAS performed their duties in an exemplary and faithful manner, therefor, BE IT RESOLVED that the Southern Section of ASAS express its thanks to our leaders for jobs well done.
 3. Whereas, the accommodations and meeting rooms provided by the Opryland Hotel were important contributions to the success of our annual meeting, therefore, BE IT RESOLVED that the Southern Section of ASAS recognize with appreciation the contributions of the Opryland Hotel.
 4. Whereas, the momentum of the Animal Welfare/Animal Rights movement in the U.S. is increasing, and whereas, there is an urgent need for animal scientists to communicate facts and information to the public to aid in the understanding of these issues, therefore, BE IT RESOLVED that the Southern Section of ASAS support and encourage its members to communicate positively, accurately and openly on Animal Welfare/Animal Rights issues.
16. Nomination and Election Results. Dr. David Spruill gave the results of the election for the coming year. Dr. Ray Harvey was elected as Secretary-Treasurer and Dr. Dennis Marple was elected as Secretary-Treasurer-Elect. Other officers moving up were Dr. A. L. Eller, Jr., President and Dr. Don Franke, President-Elect.
17. Young Animal Scientist Awards. President Long reported that the Young Animal Scientist Awards for next year will include one for research and one for Teaching/Extension. Carl S. Akey, Inc., will continue to sponsor the award for Research and Bio-Zyme Enterprises will sponsor the award for Teaching/Extension.
18. New Business. President Long announced Little Rock, AR as the meeting site for 1990 and asked that the membership support this annual meeting.

- 19. President Long thanked the membership for all their support while he was President and passed the gavel to Dr. A. L. Eller, Jr. Dr. Eller thanked Dr. Long for his contribution to the Southern Section, and with a round of applause for Dr. Long by the membership, the meeting was adjourned at 6:15p.m.

Respectfully submitted by



D. E. Franke
Secretary-Treasurer

Addendum to the Minutes
Southern Section, American Society of Animal Science
Opryland Hotel, Nashville, TN
February 7, 1989

The Awards Banquet was held at 7:00 p.m. on Tuesday, February 7, 1989 in the Chattanooga Room of the Opryland Hotel in Nashville. President-Elect A. L. Eller, Jr., presided. There were 125 people in attendance. Dr. Bob Shrode gave the invocation before dinner.

Dr. A. L. Eller, Jr. read the citation for Dr. Frank Baker, winner of the Distinguished Service Award. Dr. Robert Totusek, accepted the award for Dr. Baker who recently underwent heart surgery.

Dr. J. T. Johns, Chairman of the Extension Award Committee, read the citation for Dr. Henry Webster of Clemson, winner of the Extension Award for Excellence. Dr. Long presented Dr. Webster a plaque and Dr. Dale Kenison of IMC/Pitman Moore presented Dr. Webster a check for \$500.00.

The citation for the Young Animal Scientist Award was read by Dr. C. J. Brown. The winner, Dr. Jerry Spears of North Carolina State University, was presented a plaque by Dr. Charles Long and a check for \$500.00 by Dr. Dwight Armstrong of Carl S. Ackey, Inc., sponsor of the award.

Dr. Debra Aaron, Chairman of the Awards Competition program, reported the winners in this years competition. Dr. Charles Long presented plaques to the following winners: 1st - G. M. Davenport (Kentucky), 2nd - S. D. Shackelford (Georgia) and 3rd - M. H. Rabb (Louisiana). Checks of \$150, \$100 and \$50 will be mailed to the 1st, 2nd and 3rd place winners.

Dr. Wayne Greene reported that the winning Academic Quadrathlon teams were 1st - Oklahoma State University, 2nd - Virginia Tech and 3rd - Texas A&M.

Mr. L. H. "Cotton" Ivy, Tennessee Commissioner of Agriculture, was the speaker. His topic was "Animal Agriculture-Tennessee Style". Mr. Ivy used humor to make many of his points and gave an entertaining talk.

Dr. Ike Eller presented a plaque to outgoing President, Dr. Charles Long, congratulated him on a job well done and expressed appreciation on behalf of the Southern Section for his leadership and insight.

Special guests at the Awards Banquet were Dr. Bobby Moser, President of ASAS, Dr. Robert Zimbleman, Executive Vice-President of ASAS; Drs. Dale Kenison and Dave Whittington of IMC/Pitman Moore; Dr. Dwight Armstrong of Carl S. Akey, Inc., and Dr. Gil Myers of Hoechst-Roussel Agri.-Vet Co.

The Awards Banquet was adjourned at 9:15 p.m.

Southern Section
 American Society of Animal Science
 Financial Report
 January 1 - December 31, 1988

Cash on hand December 31, 1987 \$ 7,012.63

1988 Registration Fees	1,975.00	
Abstracts & Banquet	2,087.00	
Dues Allotment	2,187.50	
General Sponsors	4,050.00	
Interest	442.52	\$10,742.02

Expenses

1988 Programs	985.00	
Refund 1988 Meeting	40.00	
Easter Travel	404.34	
Banquet	3,437.51	
Audio-Visual	505.76	
Bolt Travel	822.36	
Abstracts 1988	1,630.00	
Tickets & Receipts	55.75	
Certificates & Lettering	62.00	
-ques	535.00	
Call for Papers	640.67	
Postage	1,347.87	
National ASAS Credit	(1,200.00)	\$ 9,266.26

Cash on Hand December 31, 1988 \$ 8,488.39



UNIVERSITY of KENTUCKY • COLLEGE of AGRICULTURE

Resident Instruction • Agricultural Experiment Station • Cooperative Extension Service
International Programs • Regulatory Services • Livestock Disease Diagnostic Center

DEPARTMENT OF ANIMAL SCIENCES
907 Agricultural Science Building—South
Lexington, Kentucky 40546-0215

MEMORANDUM

To: Don Franke

From: Gary L. Cromwell *Gary*

Date: February 13, 1989

Re: Report on General Sponsors for the Minutes

Sixty-six companies were invited to be general sponsors of the Southern Section ASAS meeting in Nashville, February 5-8, 1989. Of the 66 invitations, 21 companies elected to participate, 11 companies declined the invitation, and 34 companies did not respond to the letter. Of the 21 companies that participated, 11 contributed last year and 10 were contributors for the first time.

In total, \$3,600 was received. The individual contributions ranged from \$125 to \$250. The average contribution was \$171.43.

The list of general sponsors are on the attached list. Appreciation is extended to the 21 general sponsors who helped to make our Southern ASAS meeting a success.

UNIVERSITY OF KENTUCKY COLLEGE OF AGRICULTURE
GENERAL SPONSORS
SOUTHERN SECTION
AMERICAN SOCIETY OF ANIMAL SCIENCE
FEBRUARY, 1989

Alltech, Inc., Nicholasville, KY
Bio-Zyme Enterprises, Inc., St. Joseph, MO
Carl S. Akey, Inc., Lewisburg, OH
Central Soya, Decatur, IN
Ceva Laboratories, Inc., Overland Park, KS
Church & Dwight Co., Inc., Princeton, NJ
Degussa Corporation, Ridgely Park, NJ
Diamond V Mills, Inc., Cedar Rapids, IA
Farmers Friend Minerals, Louisville, KY
Gold Kist Inc., Atlanta, GA
Hoffmann-La Roche Inc., Nutley, NJ
Kocide Chemical Corporation, Casa Grande, AZ
Lilly Research Laboratories, Greenfield, IN
Merck, Sharp and Dohme Research Labs, Rahway, NJ
Moorman Manufacturing Company, Quincy, IL
Music City Supplement, Inc., Nashville, TN
Nutrius Inc., Brecksville, OH
Purina Mills, Inc., St. Louis, MO
SmithKline Beckman Corporation, Philadelphia, PA
Southern States Cooperative, Inc., Richmond, VA
Syntex Animal Health, Inc., Des Moines, IA



UNIVERSITY of KENTUCKY • COLLEGE of AGRICULTURE

Resident Instruction • Agricultural Experiment Station • Cooperative Extension Service
International Programs • Regulatory Services • Livestock Disease Diagnostic Center

DEPARTMENT OF ANIMAL SCIENCES
907 Agricultural Science Building—South
Lexington, Kentucky 40546-0215

208 Agr. Sci. Bldg.—South
606/257-755

February 17, 1989

D. E. Franke
105 J. B. Francioni Building
Department of Animal Science
Louisiana State University
Baton Rouge, LA 70803-4120

Dear Don,

The report regarding results of the Awards Competition is as follows:

There were ten participants in the Awards Competition section of the 1989 Southern Section ASAS meetings. Committee members evaluating the oral presentations were D. K. Aaron, K. E. Webb, Jr., J. W. Mabry, D. L. Huffman and J. L. Perkins. Competition Paper Award Recipients were:

- 1st Place: G. M. Davenport (Abstract #5)
University of Kentucky
- 2nd Place: S. D. Shackelford (Abstract #4)
University of Georgia
- 3rd place: M. H. Rabb (Abstract #9)
Louisiana State University

I apologize for the delay in getting this out to you. I didn't stop to do it when you first called and it was several days later before I thought of it again. If you need any further information, please let me know.

Sincerely,

D. K. Aaron, Assistant Professor
Department of Animal Sciences

Extension Report
Southern Section, American Society of Animal Science
Nashville, Tennessee
February 6, 1989

The Animal Science Extension Luncheon was held February 6 at 12:00 Noon with James R. Jones (North Carolina) presiding and 75 people partaking. Robert McDaniel (Arkansas) gave the invocation. Both the National and Southern Section Animal Science officers were introduced and Bobby Moser, President--American Society of Animal Science made some timely comments. Nine Department Heads, a Director of Extension and a Vice President of Agriculture represented most of the southern states. Larry Hudson distributed minutes of the 1988 meeting at New Orleans and they were accepted. Jim Neel (Tennessee) gave the report for the nominating committee, Rick Jones (Georgia) Chairman, James Danion (Alabama) and Bill Kunkle (Florida) which offered Glen Selk (Oklahoma) as the nominee for secretary. After a proper election process, the new officers for 1989 were announced as Larry Hudson (South Carolina) Chairman, Steve Umberger (VPI) Chairman Elect, and Glen Selk (Oklahoma) Secretary. Bob McGuire (Alabama) discussed plans for a Triennial Extension Conference for April 24-27, 1989 to be held at Auburn, AL. Dr. Gil H. Myers, Parasitologist with Hoechst-Roussel Agri-Vet Company spoke on Recent Development in Food Animal Research. His company sponsored the luncheon and James R. Jones (North Carolina) presented him a plaque for his support prior to adjournment.

One Extension session was held Monday afternoon with Jim Neel (Tennessee) presiding. Twelve papers were presented and one was canceled because the author (Frank Baker, Winrock, Arkansas) had just had heart-bypass surgery. There was also a joint Physiology-Extension Symposium on Tuesday afternoon with five speakers and a panel discussion. John Spitzer from Clemson presided.

James R. Jones

Necrology Committee Report
K. M. Barth, Chairman

The following members or former members passed away in 1988.

Dr. George L. Ellis
Associate Research Scientist
University of Florida
Gainesville, FL
Died June 28, 1988; Age 60.

Louis F. Cato
Professor Emeritus
Clemson University
Clemson, SC
Died March 15, 1988; Age 60.

Necrology Committee
K. M. Barth
H. W. Essig
C. E. Thompson

Resolutions Committee Report
Submitted by Dr. R. C. Albin, Texas

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Nominations Committee Report
D. G. Spruill, Chairman

The Nominating Committee submitted three names to the general membership to elect a Secretary-Treasurer and Secretary-Treasurer Elect for 1989-90. Elected to Secretary-Treasurer was Dr. Ray Harvey of North Carolina State University and to Secretary-Treasurer-Elect was Dr. Dennis Marple of Auburn University. Dr. A. L. Eller, Jr., of VPI&SU moves up to President and D. E. Franke of LSU moves up to President-Elect.

Nominating Committee

D. G. Spruill
J. J. Britt
G. E. Combs
M. K. Cook
F. H. Baker
S. L. Armbruster

Southern Section
American Society of Animal Science
Financial Report -
January 1 - December 31, 1989

Cash on hand December 31, 1988 \$8,488.39

Income:

1988 Registration Fee & Banquet 3,837.00

Donations

Diamond V Mills	150.00
Triple "F" Products	150.00
Purina Mills	200.00
Southern States Coop	150.00
SmithKline Beecham	150.00
Eli Lilly & Company	250.00
BioZyme	150.00
Hoffman La-Roche	250.00
Alltech	150.00
Moorman Mfg. Company	150.00
Heartland Lysine Inc.	150.00
CEVA Laboratories, Inc.	150.00
Monsanto	250.00
Griffin Corporation	150.00
Cargill	200.00
Merck Sharpe & Dohme Res. Lab	250.00
A. L. Laboratories	100.00
Syntex Animal Health, Inc.	200.00

1989 Dues Allotment 2,322.50

Interest 500.75 \$9,860.25

Expenses:

1989 Program	1,783.06	
Plaques	490.00	
Certificates, 1989	49.00	
1989 Abstracts	923.04	
Tickets, 1989	101.70	
Registration Cards, 1989	88.24	
Graduate Awards, 1989	300.00	
Banquet, 1989	2,695.10	
Photocopies	10.00	
Audio Visual	630.37	
McBride Travel	990.70	
Call for Papers	775.76	
Postage	672.75	
National ASAS Credit	(1,200.00)	\$8,309.72
Cash on hand December 31, 1989		\$10,038.92

Summary of Abstracts, Symposia and Invited Papers
Southern Section, American Society of Animal Science
Annual Meeting February 4-7, 1990
Excelsior Hotel, Little Rock, AR

Section	Submitted as 1st choice	Sent to 2nd choice	Received as 2nd choice	Withdrawn	Rejected	Accepted and Printed																					
Awards Competition (AC)	11	1 (PE)	---	---	---	10																					
Breeding & Genetics (BG)	15	---	---	---	---	15																					
Extension (E)	11	---	---	---	---	11																					
Meats (M)	8	---	---	---	---	8																					
Ruminant Nutrition (RN)	18	---	---	---	---	18																					
Nonruminant Nutrition (NRN)	16	---	---	---	1	15																					
Pastures & Forages (PF)	13	---	---	---	---	13																					
Physiology (P)	23	2 (PE)	---	---	---	21																					
Production & Environment (PE)	21	---	3 (PE)	---	1	23																					
Teaching (T)	9	---	---	---	---	9																					
Symposia																											
Breeding & Genetics	4	presentations																									
Joint Session	4	presentations																									
Extension/Nonruminant Nutrition	4	presentations																									
Invited Papers																											
Physiology	3																										
Teaching	2																										
Extension	1																										
Nonruminant Nutrition	2																										
Ruminant Nutrition	1																										
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1989 ASAS MEMBERSHIP REPORT

THE AMERICAN SOCIETY OF ANIMAL SCIENCE 12/29/89
 309 W. CLARK ST., CHAMPAIGN, IL 61820

NORTHEASTERN SECTION

	M	SA	IM	TOTAL
CONNECTICUT	16	2	6	24
DELAWARE	10	3	2	15
MAINE	10	1	8	19
MARYLAND & DC	109	10	31	150
MASSACHUSETTS	24	6	18	48
NEW HAMPSHIRE	9	1	2	12
NEW JERSEY	65	7	23	95
NEW YORK	70	39	57	166
PENNSYLVANIA	71	11	68	150
RHODE ISLAND	5	1	1	7
VERMONT	7	3	1	11
WEST VIRGINIA	24	9	4	37
NEW BRUNSWICK	4		2	6
NEWFOUNDLAND	1		1	2
NOVA SCOTIA	8		3	11
ONTARIO-ESO-W	30	1	14	45
PRINCE EDW. ISL.	2		2	4
QUEBEC	27	6	18	51
TOTAL	492	100	261	853

WESTERN SECTION

	M	SA	IM	TOTAL
ALASKA	4		2	6
ARIZONA	28	8	4	40
CALIFORNIA	169	23	37	229
COLORADO	96	18	9	123
HAWAII	15		2	17
IDAHO	49	5	6	60
MONTANA	40	4	5	49
NEVADA	18	6	2	26
NEW MEXICO	29	17	1	47
OREGON	45	6	7	58
UTAH	38	5	4	47
WASHINGTON	49	12	8	69
WYOMING	28	5	5	38
ALBERTA	46	11	14	71
BRITISH COLUMBIA	13		4	17
SASKATCHEWAN	22	2	8	32
MEXICO-W	30	6	29	65
GUAM	1	1	1	3
TOTAL	720	129	148	997

SOUTHERN SECTION

	M	SA	IM	TOTAL
ALABAMA	43	14	10	67
ARKANSAS	49	12	12	73
FLORIDA	82	26	12	120
GEORGIA	69	18	10	97
KENTUCKY	64	22	7	93
LOUISIANA	43	8	13	64
MISSISSIPPI	26	8	5	39
NORTH CAROLINA	77	30	12	119
OKLAHOMA	77	21	11	109
SOUTH CAROLINA	33	11	5	49
TENNESSEE	60	28	9	97
TEXAS	220	80	38	338
VIRGINIA	74	30	9	113
PUERTO RICO	9	1	3	13
VIRGIN ISLANDS	3		1	4
CARRIBEAN	8	2	5	15
CENTRAL AMERICA	17	4	6	27
MEXICO-E	14	12	5	31
SOUTH AMERICA	69	6	78	153
TOTAL	1037	333	251	1621

1998 MIDWESTERN SECTION

	M	SA	IM	TOTAL
ILLINOIS	172	53	18	243
INDIANA	111	17	11	139
IOWA	173	43	10	226
KANSAS	111	41	11	163
MICHIGAN	73	23	8	104
MINNESOTA	112	17	12	141
MISSOURI	153	46	14	213
NEBRASKA	131	39	7	177
NORTH DAKOTA	23	13	6	42
OHIO	98	31	14	143
SOUTH DAKOTA	40	14	2	56
WISCONSIN	95	22	10	127
MANITOBA	19	1	4	24
ONTARIO-WBO-W	65	13	7	85
TOTAL	1376	373	134	1883
TOTALS	3625	935	794	5354
OTHER FOREIGN	382	23	1143	1548

COMPLIMENTARY

11

RETIREES & FELLOWS W/O JOURNAL

287

*74% accepted in JAS
 \$135/page, pay \$65/page
 \$970,000 budget
 dues to \$65 in 91*

**General Sponsors
of the
Southern Section Meeting
American Society of Animal Science**

1990

**A. L. Laboratories, Fort Lee, NJ
Alltech, Inc., Nicholasville, KY
BioZyme Enterprises, Inc., St. Joseph, MO
Cargill, Nutrena Feed Division, Minneapolis, MN
Diamond V Mills, Inc., Cedar Rapids, IA
Heartland Lysine, Inc., Chicago, IL
Hoffmann-LaRoche Inc., Nutley, NJ
Kocide Chemical Corporation, Casa Grande, AZ
Lilly Research Laboratories, Greenfield, IN
Merck Sharp and Dohme Research Laboratories, Rahway, NJ
Monsanto Agricultural Company, St. Louis, MO
Moorman Manufacturing Company, Quincy, IL
Purina Mills, Inc., St. Louis, MO
Sanofi Animal Health, Inc., Overland Park, KS
SmithKline Beecham Corporation, West Chester, PA
Southern States Cooperative, Inc., Richmond, VA
Syntex Animal Health, Inc., Des Moines, IA
Triple 'F' Products, Inc., Des Moines, IA**