1991

FHSU Block & Bridle Club Scrapbook: 1990-1991

FHSU Block & Bridle Club

Follow this and additional works at: https://scholars.fhsu.edu/blockbridle

Recommended Citation

https://scholars.fhsu.edu/blockbridle/7

This Book is brought to you for free and open access by the Archives Online at FHSU Scholars Repository. It has been accepted for inclusion in Block & Bridle Club Scrapbooks by an authorized administrator of FHSU Scholars Repository.
Welcome to the 1990-91 edition of the Fort Hays State University Block and Bridle scrapbook. The following pages will let you get a glimpse of the many activities that the club is involved in.

First, let us tell you a little about our University. FHSU is located in Hays which is in Western Kansas. We are a four-year college with approximately 5,000 students. The colors are black and gold with the tiger for a mascot.

The FHSU Block and Bridle club is the largest organization on campus and is well recognized. The club participates in a wide variety of activities with more than 70 members actively involved.

On the cover is the design that was used for this year's Block and Bridle T-shirts. The shirts could be ordered in blue or pink. This same shirt was also given out to Little International participants.

Many thanks go to the following people who helped take pictures for the scrapbook: Curtis Ohlde, Doug Brower, Mechelle Foos, Jerree Huckins, Carmen Wilhelm, and Laura Kleweno. Thanks also goes out to anyone who may have been overlooked. All the help was greatly appreciated. The scrapbook was then constructed by Mechelle Foos.

Enjoy the 1990-91 edition of the FHSU Block and Bridle scrapbook!
**TABLE OF CONTENTS**

**OFFICERS & ADVISORS** 1

**CLUB ROSTER** 3

**LIVESTOCK JUDGING TEAM** 4

**MEETINGS, MINUTES, & BUDGET** 5

**COMMUNITY SERVICE ACTIVITIES** 11
- "WELCOME BACK" PICNIC
- ENDOWMENT FUND DRIVE
- PETTING ZOO

**JUDGING CONTESTS** 21
- FFA DAIRY CONTEST
- JUCO LIVESTOCK CONTEST
- FFA NW DISTRICT CONTEST

**FUND RAISING ACTIVITIES** 33
- KJLA SHOW
- SAUSAGE SALE

**CLUB SPONSORED EVENTS** 41
- INTERMURAL SPORTS
- CHRISTMAS PARTY
LITTLE INTERNATIONAL
- PROGRAMS
- PREPARATIONS
- MOCK SHOWS
- CHAMPIONS
- BANQUET
- AWARDS PRESENTATION
- DANCE

REGIONAL MEETING
- REGISTRATION
- BARN DANCE
- BUSINESS MEETING
- TOURS
- REGIONAL DANCE
- PUBLICITY

WINTER NATIONAL MEETING

MISCELLANEOUS

THE END
OFFICERS & ADVISORS

1990-91 B & B Officers: Frank Morey, President; Brenden Osborn, Vice President; Carmen Wilhelm, Secretary; and Laura Kleweno, Treasurer.

(Left) Senior Advisor - Dr. Mike Gould, Chairman of the FHSU Agriculture Department and National B & B Secretary-Treasurer. (Middle) Junior Advisor - Dr. Ron Nelson, FHSU Animal Science instructor. (Right) Junior Advisor - Kevin Huser, FHSU Sheep and Swine Farm Supervisor.
CLUB ROSTER

Front Row: Ron Nelson, Celeste Busseu, Jerlyn Paden, Suzie Bleumer, Michele Bussen, LuAnn Poer, Cheryl Fischer, Mechelle Foos, Sheree Zerr, Kevin Huser.
Middle Row: James Johnston, Doug Wright, Lorie Crawford, Linda Crawford, Debra Painter, Michael Kats, Rita Seba, Bernice Zerr, Jamie Buhrle, Shane Wurm, Dennis Fitzsimmons, Leigh Ann Armantrout.

Middle Row: Daneece Lohmann, Brenda Schmoker, Becky Gnad, Cristi Carson, Bob Keener, Curtis Ohlde, Perry Nowak, Randy Huser, Kelvin Horinek, Tammy Buhler, Tammy Neufeld.
Back Row: Janet Suelter, Jerree Huckins, Dwayne Kersenbrock, Chad Deines, Jerry DeWeese, Vincent Murray, Mark Painter, Troy Bell, Lance Russell, Duane Hammelke.
FHSU Senior Livestock Judging Team: (Left to Right) Duane Strine, Kevin Huser, Kathy Huser, Rich Gleason, Rob Rahe, Brenden Osborn, and Dr. Mike Gould.

MEETINGS, MINUTES, & BUDGET
The first informal meeting of Block and Bridle was during the Agriculture picnic. President Frank Morey conducts the meeting along with Vice President Brenden Osborn and Secretary Carmen Wilhelm. Most meetings were held in the Trails Room of the Memorial Union.

The week of the FFA Dairy Judging contest the meeting was held at the University Dairy Farm because B & B members were washing and clipping the Dairy cattle.

B & B members listen as Frank explains the new business coming up.
The March 27th meeting of Block and Bridle was called to order with 39 members and 2 advisors present. The minutes were approved as read and Laura gave the treasurer's report of $1887.85 on campus and $854.39 off campus.

The first item of business was the upcoming Student Government Election. Duane Kersenbrock explained why it is important that B&B be represented in our student senate and handed out intent to run forms that needed to be turned into the SGA office by 5:00pm, Friday the 29th. Andrew Erwin and Jack Wagnon then spoke to the club and announced that they were running for President and Vice President.

The next item of business was the petting zoo. Frank reported that it would take place on April 12th and that several B&B members would be needed to help.

The next item of business was the FFA Northeast District judging contest. Dr. Nelson went over the list of volunteers and the jobs they were responsible for. He also reminded everyone that we are cleaning up the Pavilion on April 6th starting at 9:00 in the morning.

The next item of business was the Little "I". Rob announced that the animals would be moved to the Pavilion on April 2nd and that the fitting demonstrations would be held the same night starting at 5:30pm. He also reminded everyone that we will be cleaning the Pavilion on the 6th at 9:00am and that the mock show will take place on April 9th starting at 5:30pm. The Little "I" will be held on April 13th and there will be a banquet that evening. The meal will cost $6.00 for B&B members and $8.00 for outside guests.

The next item of business was the election of outstanding underclassman, transfer student, senior, and honorary member. Nominations were taken and the members present voted by secret ballot. The nominations for outstanding underclassman were Curtis Ohlde, David Gnag, and Randy Huser. The nominations for outstanding transfer student were Jerry DeWeese, Gary Shapland, Jamie Buhle, and Nick Ketzner. The nominations for outstanding senior were Frank Morey, Jerree Huckins, and Rob Rahe. The nominations for honorary member were Mike Oullette and Bill Jacobs.

The next item of business was an announcement that SGA had allocated our club $5000.00 for the 1991-1992 school year.

The last item of business was a reminder that at the next meeting we would be electing new officers.

The meeting was adjourned.

Frank Morey
The September 5th meeting of Block and Bridle was called to order with 56 members and 3 advisors present. The minutes were approved as read and the treasurer reported $1709.09 on campus and $864.67 off campus.

Everyone was reminded to pay dues as soon as possible. Dues are $5.00/semester or $10.00/year.

The first item of old business was the calling committee. Brenden informed everyone that a new phone list was being made up for anyone who wanted one and that the people who signed up to be on the calling committee would be contacted.

The next item of business was that of a way for B&B to make money. Dr. Gould announced that PFM had asked if B&B would be interested in serving at different functions throughout the year. By doing the serving B&B would have the opportunity to make approximately $2000.00. It was emphasized that once B&B signed the contract that we would be obligated to fulfill the contract agreement. It was agreed to have everyone think about the idea and to vote on it at the next meeting.

The next item of business was the FFA Dairy Contest. Kathy Huser reminded everyone who signed up to help clip that they would need to meet at the dairy on Tuesday the 11th and Wednesday the 12th at 5:30pm. It was also announced that letters to excuse everyone helping with the contest could be picked up in the Ag Office on Friday. If anyone had any questions on what they had signed up to do, they could call the Ag Office or look at the list that is posted outside of the Ag Office on the bulletin board.

The next item of business was the Regional Meeting which will take place at FHSU on October 26th and 27th. Jerree explained what was being planned and said that 10-15 members would be needed to attend the main meeting that will take place on Saturday the 27th. It was stressed that if a person wanted to attend the meeting and if their registration fees were paid for by our club that they would be responsible to stay for the entire day of meetings. Jerree also explained that there would be tours given and that it would be nice if there was a person from our club with the people on tour to answer any questions they might have.

Frank then announced that the Rodeo Club had invited B&B to play volleyball Tuesday at 7:30. It was agreed that we should try to work more with the Rodeo Club but that we should remember our prior responsibilities.

The last item of business were the upcoming intramurals. Jane announced that there were several different events and that if anyone was interested they could contact the intramural office.

The meeting was adjourned.
<table>
<thead>
<tr>
<th></th>
<th>Revenue</th>
<th>Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dues</strong></td>
<td>585.00</td>
<td>240.00</td>
</tr>
<tr>
<td><strong>Fall Smoker</strong></td>
<td>150.00</td>
<td>247.35</td>
</tr>
<tr>
<td><strong>Christmas Party</strong></td>
<td>375.00</td>
<td>420.00</td>
</tr>
<tr>
<td><strong>Sausage Sale</strong></td>
<td>675.00</td>
<td>400.00</td>
</tr>
<tr>
<td><strong>Film &amp; Processing</strong></td>
<td></td>
<td>250.00</td>
</tr>
<tr>
<td><strong>Misc.</strong></td>
<td></td>
<td>298.00</td>
</tr>
<tr>
<td><strong>Intramural</strong></td>
<td></td>
<td>100.00</td>
</tr>
<tr>
<td><strong>Judging Team</strong></td>
<td>1500.00</td>
<td></td>
</tr>
<tr>
<td><strong>National Meetings</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Summer</strong></td>
<td></td>
<td>152.50</td>
</tr>
<tr>
<td><strong>Winter</strong></td>
<td></td>
<td>585.00</td>
</tr>
<tr>
<td><strong>Juco Contest</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Judges</strong></td>
<td></td>
<td>990.00</td>
</tr>
<tr>
<td><strong>Awards</strong></td>
<td></td>
<td>420.00</td>
</tr>
<tr>
<td><strong>Lunches</strong></td>
<td></td>
<td>300.00</td>
</tr>
<tr>
<td><strong>Entry Fees</strong></td>
<td>975.00</td>
<td>962.50</td>
</tr>
<tr>
<td><strong>Banquet</strong></td>
<td>400.00</td>
<td></td>
</tr>
<tr>
<td><strong>Little I</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Judges</strong></td>
<td></td>
<td>500.00</td>
</tr>
<tr>
<td><strong>Awards</strong></td>
<td></td>
<td>1975.00</td>
</tr>
<tr>
<td><strong>Banquet</strong></td>
<td></td>
<td>1200.00</td>
</tr>
<tr>
<td><strong>Equipment</strong></td>
<td></td>
<td>200.00</td>
</tr>
<tr>
<td><strong>FFA Livestock Contest</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Judges</strong></td>
<td></td>
<td>300.00</td>
</tr>
<tr>
<td><strong>Awards</strong></td>
<td></td>
<td>280.00</td>
</tr>
<tr>
<td><strong>Food</strong></td>
<td></td>
<td>250.00</td>
</tr>
<tr>
<td><strong>Entry Fees</strong></td>
<td>437.50</td>
<td>190.40</td>
</tr>
<tr>
<td><strong>KJLA</strong></td>
<td>673.00</td>
<td></td>
</tr>
<tr>
<td><strong>FFA Dairy Contest</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Awards</strong></td>
<td></td>
<td>280.00</td>
</tr>
<tr>
<td><strong>Judges</strong></td>
<td></td>
<td>100.00</td>
</tr>
<tr>
<td><strong>Food</strong></td>
<td></td>
<td>205.10</td>
</tr>
<tr>
<td><strong>Entry Fees</strong></td>
<td>402.50</td>
<td></td>
</tr>
<tr>
<td><strong>Hamburger Sales</strong></td>
<td>200.00</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>6373.00</td>
<td>10845.85</td>
</tr>
</tbody>
</table>

Allocations (S.G.A.) 4250.00

**Total** 10623.00 10845.85
COMMUNITY SERVICE

ACTIVITIES

"WELCOME BACK" PICNIC
ENDOWMENT FUND DRIVE
PETTING ZOO
The Fort Hays Block and Bridle Club began the year by serving the annual "Welcome Back" picnic on the first day of school. The picnic is held on the FHSU campus and is attended by students, faculty, alumni, and guests. The Fort Hays State Alumni sponsors this picnic and has asked Block and Bridle to serve this function for many years.

(Above) Members of Block and Bridle wait for the first people to come through the serving lines.

(Left) Jerry DeWeese, Mark Painter, Bob Keener, and Pat Kearney serve on of the lines.
The serving lines ran very smoothly with extra members waiting to fill in or get more food as it ran low.

Block and Bridle members took a break to eat and to watch the activity.
Lester McNeely, Humphrey, Ill., entertains the crowd with his balloon antics at the Fort Hays State University picnic late Monday afternoon.
August 30, 1991

Dr. Mike B. Gould
315 Albertson Hall
Hays, KS 67601

Dear Dr. Gould,

Please pass on a "thank you" to your members of Block and Bridle for again providing such excellent help in handling the most important part of the FHSU Family Picnic, the food! As always, it is done without any problems and just happens. That makes my job and that of PMF much easier than expected.

It would be very difficult to do the picnic without your assistants.

Thanks again,

I.B. Durnell

cc. Jim Dana.
Herb S.

Annual FHSU picnic draws crowd

By DAVID BAKER
Hays Daily News

A lot of people showed up for the annual Fort Hays State University family picnic.

LeAnn Earnest and Kelly Klaus spent a brief moment with just about all of them.

Working the table at which people paid $1 before getting in line for food, the two encountered almost 1,400 faces from 5 to 7 p.m. Monday, the first day of classes.

"There's a lot of new faces this year," said Earnest, who works for Professional Food-Service Management, the university's meal vendor, and is in her junior year at FHSU.

Klaus, 418 E. 11th, does not attend FHSU but knows many people there from her food-service job.

This was Earnest's third picnic, and the second that she had to work. Her freshman year, she was able to be just a student, but she was not disappointed about having to work at the others.

She was still able to meet many of the people she knew, she said, and besides, "It's a chance to work outdoors."

Employees of the food service company did not serve the meals. That was done by the FHSU Block and Bridle Club.

The picnic is an effort to intermingle the Hays-area community and students, faculty and staff of FHSU.

Tom and Debbie Bohm, 1400 Fort, brought their family to campus for the event and ended up sitting with Margaret Jellison, wife of retired FHSU vice president of student affairs Bill Jellison.

Although they did not know each other before the picnic, the Jellisons, 2309 Willow, and the Bohms found out they shared many of the same friends.

Margaret Jellison said she had never missed a picnic since they had started.

"Bill was in charge of the first one," she said, although she wouldn't chance a guess as to when that was.

Tom Bohm said his family likes to support the university whenever it can. Recently, they have added another connection to FHSU: Debbie is a second semester sophomore studying nursing.
The Endowment Fund Drive is a fund raising activity that is used to try to raise money for scholarships. It lasts for fourteen nights and a different organization helps every night. Fourteen members of Block and Bridle helped in the Endowment Fund Drive this year.

Dr. Gould checks to see how much money everyone is raising. (1 to R) Advisor Kevin Huser, Frank Morey, Dr. Spaulding, Brenden Osborn, Rob Rahe, and Lance Russell.

Members could choose to call National, Kansas, or Hays phone numbers. Dr. Nelson and Rob Rahe busy trying to raise money.

Frank Morey takes a break from calling. The Endowment Association provided food and drinks for the whole evening.
PETTING ZOO

A petting zoo was put on at the FHSU Pavilion by the Block and Bridle Club. Young children from the schools in Hays were invited to attend. Sheep, swine, horses, and dairy were used for the petting zoo. There was also an information session on dairy cows and a shearing demonstration.

Kathy Huser explains how much milk a dairy cow produces a day and some of the products made from the milk.
Kathy Huser also explained to the kids some of the types of feed a dairy cow eats.

Rob Rahe holds a baby pig so the kids can pet it.

The baby pigs were one of the favorite animals with the kids.

Even the big kids, Laura Kleweno and Brenden Osborn, like to play with the baby pigs.
Kevin Huser put on a shearing demonstration with Frank Morey explaining and answering questions.

Cristi Carson answers questions about the lambs.

The colt seemed as curious about the kids as they were about him.

Anita Sakala was the helper for the dairy heifers.
JUDGING CONTESTS

FFA DAIRY JUDGING CONTEST
JUCO LIVESTOCK JUDGING CONTEST
FFA NW DISTRICT LIVESTOCK JUDGING CONTEST
The Block and Bridle Club hosted the FFA Dairy Contest. The dairy cows were supplied by the FHSU Farm and the FHSU Judging team were the officials. B & B members also helped before, during, and after the contest to help it run more smoothly.

Kathy Huser and Sheree Zerr make sandwiches for the sack lunch provided to the contestants.

The week before the Dairy contest, B & B members helped wash and clip the dairy cows.

The Dairy contest is held at the FHSU Livestock Pavilion.
Each school's coach signed in their judging team the morning of the contest.

Contestants listen to instructions before the judging begins.

Danecee Lohman and Sheree Zerr help with entering placing and reasons scores in the computer.
David Parton, Jerry DeWeese, and Anita Sakala make lunches for the contestants.

Gary Rolland, Kevin Huser, and Chad Deines make last minute checks on the livestock being used for the contest.
The Juco Livestock Judging contest was held at the FHSU Pavilion and hosted by Block and Bridle.

Dr. Brower, Dr. Spaulding, Brenda Schmoker, and Sheila Morrill check off the teams as they arrive.
Kevin Huser gives instructions to the judging teams before the contest.

Rich Gleason was the time keeper and informed groups when to move to the next pens.

The contest consisted of twelve classes divided into two rounds of six classes.
Chad Deines keeps the swine moving to help the contestants get a better look.

Matt Corwine and Gary Shapland enjoy a sack lunch before the contestants give reasons.

Kelvin Horinek and Brenda Schmoker compare computer print outs to make sure the scores were entered correctly.
The awards were presented to the individual and team winners at a banquet the evening of the Juco contest.
Block and Bridle members helped set up pens the day before the contest.

David Parton, Frank Morey, and John Gould help make sandwiches for the lunches served to the contestants.

Anita Sakala, Cristi Carson, and Dr. Brower wait for judging coaches to sign in their teams.
Rodney Hurst and Michael Kats, two of the officials for this contest from the FHSU Judging team, decide on the official placings.

James Johnston makes some last minute touch ups.

The contestants were in groups led by B & B members.

Contestants take notes to help them decide on how to place the class and to help them with their reasons.
Doug Brower, Dr. Nelson, and Dr. Spaulding wait on the reasons cards to arrive so the scores can be entered in the computer. 

Anita Sakala and Cristi Carson compare computer printouts to make sure the scores were entered in the computer correctly.
FUND RAISING

ACTIVITIES

KJLA SHOW

SAUSAGE SALE
Twenty B & B members and advisors traveled to Wichita to the Kansas Junior Livestock Show. The club cooked and served hamburgers to the participants and their families.

David Gnad, LuAnne Poer, and Jerry DeWeese wait on the hamburgers to cook.
With everyone helping out and doing a different job, the hamburger feed ran very smoothly and efficiently.
The major fund raiser for the club was the sausage sale, organized by Curtis Ohlde. On different evenings, the B & B members cut, ground, and packaged the meat. Ads were hung up and then orders could be placed. There were then two different times when the sausage could be picked up.

Kevin Huser and Dr. Brower give instructions on the procedures used to make the sausage while Deborah Painter listens.

Shawn Sammons and Laura Kleweno trim the fat away from the meat.
Frank Morey and David Parton cleaning up at the end of the evening.

Dr. Brower gives a demonstration to B & B members on how to package the sausage.
The FHSU television crew came one evening to the meats lab and filmed the packaging and labeling of the sausage.

Frank Morey waits to label the sausage packages after Kelvin Horinek weighs them.
CLUB SPONSORED EVENTS

INTERMURAL SPORTS

CHRISTMAS PARTY
Block and Bridle sponsored club members that liked to participate in Intermural sports. Members competed in softball, volleyball, football, and basketball.

The Block and Bridle teams were comprised of members that were interested in competing in extra-curricular activities.
ANNUAL CHRISTMAS PARTY

Kevin Huser building a stand for the Christmas tree while Block and Bridle members watch.

Curtis Ohlde checks out the Christmas tree. The decorating for the party was done the night before. B & B members, alumni, and Rodeo Club was invited to the Christmas party.

The DJ for the Christmas party dance.
Carmen Wilhelm presented flowers to a friend of Block and Bridle that was leaving for Desert Storm.

John Gould and Kathy Huser goofing around.

Three members of Rodeo Club having a good time playing Santa Claus.

Everyone enjoying the dance, maybe some more than others.
LITTLE INTERNATIONAL

PROGRAMS
PREPARATIONS
MOCK SHOWS
CHAMPIONS
BANQUET
AWARDS PRESENTATION
DANCE
The 18th Annual Little International was held on April 13, 1991. The Little International is a fitting and showing contest which consists of five classes: swine, sheep, horse, dairy, and beef. There were 50 participants with some of them competing in more than one class. Contestants could pair up in threes and form a team. This year there were seven teams competing. The chairman for the Little International was Rob Rahe and his assistant was Jerry DeWeese. Judges for this year were: James Hall, Swine Judge; Rodney Werth, Sheep Judge; Mike Ouellette, Dairy Judge, Scott Ludwig, Horse Judge; and Scott Barrows, Beef Judge.
This program was for the Little International Fitting and Showing Contest. Listed inside are names of contestants and award sponsors.
Fort Hays State University
Block & Bridle Club
18th Annual
Little International
Fitting and Showing Contest
April 13, 1991

Class One: Swine
Judge: James Hall
Chairman: Randy Huser
Assistant: Jeff Ackerman

Contestants

<table>
<thead>
<tr>
<th>Number</th>
<th>Contestants</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>Linda Crawford</td>
</tr>
<tr>
<td>151</td>
<td>Lorie Crawford</td>
</tr>
<tr>
<td>152</td>
<td>Brenden Osborn</td>
</tr>
<tr>
<td>153</td>
<td>John Gould</td>
</tr>
<tr>
<td>154</td>
<td>Jamie Buhrle</td>
</tr>
<tr>
<td>155</td>
<td>Calvin Hett</td>
</tr>
<tr>
<td>156</td>
<td>Kyle Clark</td>
</tr>
<tr>
<td>157</td>
<td>Robert Corley</td>
</tr>
<tr>
<td>158</td>
<td>David Gnad</td>
</tr>
<tr>
<td>159</td>
<td>Jason Holdren</td>
</tr>
<tr>
<td>160</td>
<td>Jerry DeWeese</td>
</tr>
<tr>
<td>161</td>
<td>Tim Nedeau</td>
</tr>
<tr>
<td>162</td>
<td>Jeff Hodge</td>
</tr>
<tr>
<td>163</td>
<td>Bubba Allison</td>
</tr>
<tr>
<td>164</td>
<td>Mike Brown</td>
</tr>
<tr>
<td>165</td>
<td>Bret Frerichs</td>
</tr>
<tr>
<td>166</td>
<td>Stacy Barth</td>
</tr>
<tr>
<td>167</td>
<td>Kelsie Anderson</td>
</tr>
</tbody>
</table>

Class Two: Sheep
Judge: Tom Herzog
Chairman: Brenden Osborn
Assistant: Jamie Buhrle

Contestants

<table>
<thead>
<tr>
<th>Number</th>
<th>Contestants</th>
</tr>
</thead>
<tbody>
<tr>
<td>168</td>
<td>Randy Huser</td>
</tr>
<tr>
<td>169</td>
<td>Sheila Morrill</td>
</tr>
<tr>
<td>170</td>
<td>Laura Klewano</td>
</tr>
<tr>
<td>171</td>
<td>Anita Sakela</td>
</tr>
<tr>
<td>172</td>
<td>Christi Carson</td>
</tr>
<tr>
<td>173</td>
<td>Debra Painter</td>
</tr>
<tr>
<td>174</td>
<td>Traci Belden</td>
</tr>
<tr>
<td>175</td>
<td>Nate Hulverson</td>
</tr>
<tr>
<td>176</td>
<td>Craig Wyant</td>
</tr>
<tr>
<td>177</td>
<td>Tim Nedeau</td>
</tr>
<tr>
<td>178</td>
<td>Becky Gnad</td>
</tr>
<tr>
<td>179</td>
<td>Curtis Ohlde</td>
</tr>
<tr>
<td>180</td>
<td>JoAnn Frost</td>
</tr>
<tr>
<td>181</td>
<td>Amy Babcock</td>
</tr>
<tr>
<td>182</td>
<td>Jerlyn Nowak</td>
</tr>
<tr>
<td>183</td>
<td>Sheila Foos</td>
</tr>
</tbody>
</table>

Class Three: Horse
Judge: Scott Ludwig
Chairman: Rich Gleason
Assistant: Adair Hemel

Contestants

<table>
<thead>
<tr>
<th>Number</th>
<th>Contestants</th>
</tr>
</thead>
<tbody>
<tr>
<td>184</td>
<td>Sloan Pebley</td>
</tr>
<tr>
<td>185</td>
<td>Lorie Crawford</td>
</tr>
<tr>
<td>186</td>
<td>Linda Crawford</td>
</tr>
<tr>
<td>187</td>
<td>Donna Inlow</td>
</tr>
<tr>
<td>188</td>
<td>Kris Hammeke</td>
</tr>
<tr>
<td>189</td>
<td>Adair Hemel</td>
</tr>
<tr>
<td>190</td>
<td>JoAnn Frost</td>
</tr>
<tr>
<td>191</td>
<td>Robert Corley</td>
</tr>
</tbody>
</table>
### Class Four: Dairy

**Judge:** Mike Ouellette  
**Chairman:** Jerry DeWeese  
**Assistant:** David Gnad

<table>
<thead>
<tr>
<th>Contestants</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Randy Huser</td>
<td>192</td>
</tr>
<tr>
<td>John Gould</td>
<td>193</td>
</tr>
<tr>
<td>Jamie Buhrle</td>
<td>194</td>
</tr>
<tr>
<td>Curtis Ohlde</td>
<td>195</td>
</tr>
<tr>
<td>Jason Holdren</td>
<td>196</td>
</tr>
<tr>
<td>Anita Sakata</td>
<td>197</td>
</tr>
<tr>
<td>Christi Carson</td>
<td>199</td>
</tr>
<tr>
<td>David Gnad</td>
<td>199</td>
</tr>
</tbody>
</table>

### Class Five: Beef

**Judge:** Scott Barrows  
**Chairman:** Rich Gleason  
**Assistant:** Adair Hemeel

<table>
<thead>
<tr>
<th>Contestants</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jayne Dick</td>
<td>200</td>
</tr>
<tr>
<td>Brad Stallbaumer</td>
<td>201</td>
</tr>
<tr>
<td>Dave Braun</td>
<td>202</td>
</tr>
<tr>
<td>Roger Gleason</td>
<td>203</td>
</tr>
<tr>
<td>Todd Probasco</td>
<td>204</td>
</tr>
<tr>
<td>Troy Hanson</td>
<td>205</td>
</tr>
<tr>
<td>Jason Holdren</td>
<td>206</td>
</tr>
<tr>
<td>Robert Corley</td>
<td>207</td>
</tr>
<tr>
<td>Stacy Barth</td>
<td>208</td>
</tr>
<tr>
<td>Debra Painter</td>
<td>209</td>
</tr>
</tbody>
</table>

### Team Competition

Team scores are based on the number of animals in each class. The team with the least amount of points wins.

**Team I**  
- Anita Sakata  
- Christi Carson  
- Stacy Barth

**Team II**  
- Bret Frerichs  
- Tim Nedeau  
- Jeff Hodge

**Team III**  
- Becky Gnad  
- Jerlyn Nowak  
- Jeff Hodge

**Team IV**  
- Robert Corley  
- Sloan Pebley  
- Jayne Dick

**Team V**  
- Jamie Buhrle  
- JerryDeWeese  
- Curtis Ohlde

**Team VI**  
- John Gould  
- Laura Kleweno  
- Kris Hammeke

**Team VII**  
- Brenden Osborn  
- Randy Huser  
- Amy Babcock
LITTLE INTERNATIONAL AWARD SPONSORS

DAIRY CHAMPION

DAIRY RESERVE

BEEF CHAMPION

BEEF RESERVE

HORSE CHAMPION

HORSE RESERVE

SHEEP CHAMPION

SHEEP RESERVE

SWINE CHAMPION

SWINE RESERVE

OVERALL CHAMPION

OVERALL RESERVE

BEEF CATTLE HERDSMAN

TEAM AWARDS

CHAMPION TEAM

RESERVE CHAMPION TEAM

WORKHORSE AWARD

BUCKLES

EXEMPLARY ACHIEVEMENT AWARDS

TEAM AWARDS

CHAMPION TEAM

NO+ Hybrids

Hays Veterinary Hospital

Robin Graver

RESERVE CHAMPION TEAM

Smokey Hill Charolais, Hays

Lazy S Ranch, Marty Sneath

Mel Schumacher

Trust Charolais Ranch

WORKHORSE AWARD

Jack Schmitt

BUCKLES

Vanderbilt's, Hays

EXEMPLARY ACHIEVEMENT AWARDS

Triple S Harvesters

Dean Fitzsimmons

Shawn Sammons

Rob Rahe

Calvin Seybold

Jim Sechrist

Kay Murray

LUNCH COMMITTEE

Shelia Morrill

Brenda Schmoker
This program was for the Little International Banquet. It consists of the banquet agenda, contestants, judges, award sponsors, and information about the Block and Bridle Club.

18th ANNUAL LITTLE INTERNATIONAL

FITTING & SHOWING CONTEST & BANQUET

APRIL 13, 1991

FORT HAYS STATE UNIVERSITY
WELCOME
Frank Morey

INVOCATION
Laura Kleweno

INTRODUCTION
Rob Rahe

MASTER OF CEREMONIES
Alan Dinkel

RECOGNITION OF SPECIAL GUESTS
Alan Dinkel

RECOGNITION OF B&B OFFICERS-1990-91
Alan Dinkel

INTRODUCTION OF B&B OFFICERS-1990-91
Alan Dinkel

RECOGNITION OF HONORARY MEMBERS
Alan Dinkel

SLIDE PRESENTATION
John Gould

PRESENTATION OF AWARDS

Senior Service Awards
Dr. Ron Nelson

Underclassmen Awards
Dr. Ron Nelson

Transfer Award
Dr. Ron Nelson

Outstanding Senior Award
Dr. Ron Nelson

Workhorse Award
Dr. Ron Nelson

Graduate of Distinction
Dr. Mike Gould

Faculty Service Award
Dr. Mike Gould

Livestock Judging Team
Recognition
Kevin Huser

CLOSING
Frank Morey

MASTER OF CEREMONIES
Alan Dinkel, Oakley, Kansas

AGRICULTURE FACULTY
Dr. Mike Gould, Chairman
Dr. Brent Spaulding
Dr. Jean Gleichsner
Dr. Garry Brower
Dr. Ron Nelson
Dr. Robert Stephenson

BLOCK & BRIDLE CLUB OFFICERS 1990-1991
President
Frank Morey
Vice President
Brenden Osborn
Secretary
Carmen Wilhelm
Treasurer
Laura Kleweno
Historians
Jerre'e Huckins
Mechelle Foos
Publicity
Karla Lang

BLOCK & BRIDLE CLUB OFFICERS 1991-1992
President
Jerry DeWeese
Vice President
John Gould
Secretary
Mechelle Foos
Treasurer
Brian Nicholas
Historian
Curtis Ohlde

STUDENT GOVERNMENT ASSOCIATION SENATORS
Laura Kleweno
Jerre'e Huckins
Dwayne Kersenbrook
LuAnn Poer
Mechelle Foos
Sheila Morrill
### LITTLE INTERNATIONAL

<table>
<thead>
<tr>
<th>Chairman</th>
<th>Rob Rahe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assistant</td>
<td>Jerry DeWeese</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Banquet Committee</th>
<th>Brenda Schmoker</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Debra Painter</td>
</tr>
<tr>
<td></td>
<td>Sheila Morrill</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Judges</th>
<th>James Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swine</td>
<td>Tom Harzog</td>
</tr>
<tr>
<td>Sheep</td>
<td>Mike Ouellette</td>
</tr>
<tr>
<td>Dairy</td>
<td>Scott Ludwig</td>
</tr>
<tr>
<td>Horse</td>
<td>Scott Barrows</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Species Chairmen</th>
<th>Randy Huser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swine Chairman</td>
<td>Jeff Ackerman</td>
</tr>
<tr>
<td>Assistant</td>
<td></td>
</tr>
<tr>
<td>Sheep Chairman</td>
<td>Brenda Osborn</td>
</tr>
<tr>
<td>Assistant</td>
<td>Jamie Buhrle</td>
</tr>
<tr>
<td>Dairy Chairman</td>
<td>Jerry DeWeese</td>
</tr>
<tr>
<td>Assistant</td>
<td>David Gnad</td>
</tr>
<tr>
<td>Horse Chairman</td>
<td>Rich Gleason</td>
</tr>
<tr>
<td>Assistant</td>
<td>Adair Hemel</td>
</tr>
<tr>
<td>Beef Chairman</td>
<td>Brian Burnett</td>
</tr>
<tr>
<td>Assistant</td>
<td>Jayne Dick</td>
</tr>
</tbody>
</table>

### LITTLE "I" CONTESTANTS

#### Beef Showmen
- Jayne Dick
- Brad Stallbaumer
- Dave Braun
- Roger Gleason
- Todd Probascio
- Troy Hanson
- Jason Holdren
- Robert Corley
- Stacy Barth
- Debra Painter

#### Sheep Showmen
- Faye Hapke
- Randy Huser
- Sheila Morrill
- Laura Kleweno
- Anita Sakala
- Christi Carson
- Debra Painter
- Traci Belden
- Nate Hulverson
- Craig Wyant
- Tim Nedeau
- Becky Gnad
- Curtis Ohlde
- JoAnn Frost
- Amy Babcock
- Jerilyn Nowak
- Sheila Foose

#### Swine Showmen
- Linda Crawford
- Lorie Crawford
- Brennen Osborn
- John Gould
- Jamie Buhrle
- Calvin Hett
- Kyle Clark
- Robert Corley
- David Gnad
- Jason Holdren
- Jerry DeWeese
- Tim Nedeau
- Jeff Hodge
- Bubba Allison
- Mike Brown
- Brett Frechichs
- Stacy Barth
- Kelsie Anderson

#### Dairy Showmen
- Randy Huser
- John Gould
- Jamie Buhrle
- Curtis Ohlde
- Jason Holdren
- Anita Sakala
- Christi Carson
- David Gnad

#### Beef Chairman
- Brian Burnett
- Jayne Dick

#### Horsemanship Chairman
- Rich Gleason
- Adair Hemel

#### Assistant
- Jayne Dick
- Brenda Osborn
- Jamie Buhrle
- Cory Hett

#### Dairy Showmen
- Jerry DeWeese
- John Gould
- Jamie Buhrle
- Curtis Ohlde
- Jason Holdren
- Anita Sakala
- Christi Carson
- David Gnad

#### Assistant
- David Gnad
- Tim Nedeau
- Jeff Hodge
- Lorie Crawford
- Linda Crawford
- Donna Inlow
- Kris Hammeke
- Adair Hemel
- JoAnn Frost
- Robert Corley

#### Horse Showmen
- Sloan Pebley
- Lorie Crawford
- Linda Crawford
- Donna Inlow
- Kris Hammeke
- Adair Hemel
- JoAnn Frost
- Robert Corley

#### Assistant
- Jayne Dick
- Brenda Osborn
- Jamie Buhrle
- Cory Hett

#### Dairy Showmen
- Jerry DeWeese
- John Gould
- Jamie Buhrle
- Curtis Ohlde
- Jason Holdren
- Anita Sakala
- Christi Carson
- David Gnad

#### Assistant
- David Gnad
- Tim Nedeau
- Jeff Hodge
- Lorie Crawford
- Linda Crawford
- Donna Inlow
- Kris Hammeke
- Adair Hemel
- JoAnn Frost
- Robert Corley

#### Horse Showmen
- Sloan Pebley
- Lorie Crawford
- Linda Crawford
- Donna Inlow
- Kris Hammeke
- Adair Hemel
- JoAnn Frost
- Robert Corley

#### Assistant
- Jayne Dick
- Brenda Osborn
- Jamie Buhrle
- Cory Hett
LITTLE INTERNATIONAL AWARD SPONSORS

DAIRY CHAMPION
Al Graff

DAIRY RESERVE
Ellis County Dairy

BEEF CHAMPION
Ellis County Feeders

BEEF RESERVE
Greg Beetch
Neal Beetch
Clayton Seaman
Mr. & Mrs. Eric Bothell

HORSE CHAMPION
Farmers Cooperative, Hays

HORSE RESERVE
Jay and Dawn Brack
John Nicholas
Mark Hammke
Eric Anderson

SHEEP CHAMPION
Jon Nelson

SHEEP RESERVE
Gorham Co-op

SWINE CHAMPION
Robert McKinney, Jr.
McKinney Ag Service

SWINE RESERVE
Thea & Shad Marston

OVERALL CHAMPION
Kansas Livestock Association, Topeka

OVERALL RESERVE
Ochs, Inc., Otis

TEAM AWARDS

CHAMPION TEAM
NC® Hybrids
Hays Veterinary Hospital
Robin Graver

RESERVE CHAMPION TEAM
Smokey Hill Charolais, Hays
Lazy S Ranch, Marty Sneath
Mel Schumacher
Trust Charolais Ranch
Jack Schmitt

WORKHORSE AWARD
Vanderbilt's, Hays

BUCKLES

EXEMPLARY ACHIEVEMENT AWARDS

Triple S Harvesters
Shawn Sammons
Calvin Seybold
Kay Murray
Dean Fitzsimmons
Rob Rahe
Jim Sechrist

LUNCH COMMITTEE

Sheila Morrill
Brenda Schmoker
### FHSU LIVESTOCK JUDGING TEAM

**Members 1990 Team**

- Rich Gleason, Spearville, Kansas
- Kathy Leiker, Munjor, Kansas
- Brenden Osborn, Anthony, Kansas
- Rob Rahe, Belleville, Kansas
- Duane Strine, Effingham, Kansas

**Members 1991 Team**

- Gary Shapland, Dighton, Kansas
- Nick Ketzner, Bird City, Kansas
- James Johnston, Dighton, Kansas
- Michael Kats, Prairie View, Kansas
- Chuck Bezona, Syracuse, Kansas
- Rodney Hurst, Sylvia, Kansas

The Livestock Judging Team finished rather well in several contests over the past year. The 1990 team traveled to the NACTA contest, the Mid America Classic, the American Royal, and the North America International. The team finished second overall at NACTA. Rich Gleason was high individual overall, and the team was high team in sheep. The 1991 team competed at the Arizona National, the National Western, the Fort Worth Stock Show, and the Houston Livestock Show. At Arizona Gary Shapland was High Individual in Cattle, second Overall, and fourth in Reasons. Nick Ketzner was ninth high overall at Fort Worth while James Johnston was fifth in Horses. This evening the 1991 team is in Los Angeles attending an awards banquet for the NACTA contest which they competed in yesterday.

### Block & Bridle Regional Meeting

The 1990 North Central Regional Block and Bridle meeting was hosted by Fort Hays State University on October 26 and 27. This regional meeting attracted a record number of members, 31 from FHSU and a total of 107 in all. This region is made up of ten chapters, seven of which attended: FHSU; Kansas State University, Manhattan, Kansas; North Dakota State University, Fargo, North Dakota; South Dakota State University, Brookings, South Dakota; University of Missouri, Columbia, Missouri; University of Nebraska, Lincoln, Nebraska; Cloud County Community College, Concordia, Kansas. During the business meeting elections of regional officers were held. Rob Rahe from FHSU was elected the new regional president. A panel discussion was held on the topic “Government/Politics in Agriculture” and members toured Ellis County Feeders, the FHSU Farm and Philip Ranch.

Next year’s North Central Regional meeting will be hosted by the University of Nebraska at Lincoln.

### Block and Bridle National Meeting

On February 27, 1991, members of the FHSU Block & Bridle Club left to attend the National Block & Bridle Winter Meetings in Houston, Texas. The meetings were held in conjunction with the Houston Livestock Show. Highlights of the trip included touring the King Ranch, staying at Padre Island, and visiting Matamoros, Mexico.

Next year’s meeting will be held in November 1991, at Louisville, Kentucky.

### Endowment Telethon

In the fall the Annual Endowment Telethon was held. The Block and Bridle Club teamed up with some other callers from the Agriculture Department. The club was very successful raising over $5,200 for FHSU.
Delta Tau Alpha is a National Honor Society of Agriculture. The local FHSU Chapter is involved in service and educational activities outside of the classroom. Delta Tau Alpha was again busy during the 1990-91 academic year as they held their first Annual Pumpkin Sale. Fun was had by all, even during the rains at harvest.

The organization initiated 12 new members into the local chapter, which in turn gives them membership in the National Organization. The chapter kept its rich tradition by hosting several prospective employees in all areas of agriculture. Some of those on campus were: Iowa Beef Packers Association, Farmers Home Administration, Archers Daniels Midland, and Wichita Farm Credit Banks.

THANK YOU FARM SUPERVISORS

**Beef Cattle and Horse Unit**  Gary Rolland
**Sheep and Swine Unit**  Kevin Huser
**Dairy Unit**  Kathy Huser
**Farm Unit**  Scott Pfannenstiel

Bill Hoffman
Steve Englehardt

**Senior Advisor**  Dr. Brent Spaulding
**Co-Advisors**  Dr. Jean Gleichsner, Dr. Bob Stephenson

Leigh Ann Armantrout  Sherry Morrill
Scott Boomer  Leslie Morris
Chuck Bezona  Vincent Murray
Doug Brower  Brian Nicholas
Jami Buhrs  Perry Nowak
Brian Burnett  Mark O'Connor
Celeste Bussen  Branden Osborn
Kyle Clark  Jerlyn Paden
Robert Corley  Debra Painter
Matt Cowine  David Parton
Linda Crawford  LuAnn Poer
Lorle Crawford  Rob Rahe
Tim Dasenbrock  Jeff Rallsback
Chad Delnes  Billy Randle
Jerry DeWeese  Anita Sakala
Jayne Dick  Joe Schlessinger
Eric Evans  Brenda Schmocker
Lisa Fischer  Gary Shapland
Mechelle Foos  Raymond Splitter
Dennis Fitzsimmons  Duane Strine
Rich Gleason  Mark Summers
Roger Gleason  Susan Threewitt
Becky Gnadt  Brian Waugh
David Gnadt  Dan Wedemeyer
John Gould  Roger Watzel
Duane Hammek  Carmen Wilhelm
Sandy Hathaway  Doug Wright
Wendy Hathaway  Shane Wurm
Adair Hemel  Sheree Zerr
Jason Holdren  Bernice Zerr
Kelvin Hornek  Ellen Ziegler
Jerre's Huckins  Dwayne Kersenbrock
Randy Huser  Janet Sueltzer
James Johnston  Curtis Ohide
Michael Kats  Corey Castens
Bob Keener  Travis Shoemaker
PREPARATIONS
Clipping demonstrations and showing techniques were offered to help contestants who have never participated before get their animals ready to show.
Several days before the Little I, mock shows were held to help participants who had never shown before and to help the Little I run more smoothly.
Jamie and John watch the mock shows.

4-H kids were invited to attend the clipping and showing demonstrations that were given for the Little I. Above, Kevin Huser giving advice on showing techniques.

Sheep contestants watch the swine mock show to learn how to show swine. The top two places from each class are in the final round where they show all of the classes of animals.
Participants were busy the day of the Little I with washing and preparing their animals. Before entering the show ring, participants made last minute touch ups.
The horse contest had 8 participants this year.

This year, the dairy contest had 8 participants.
The showmanship contest for swine this year had 18 contestants.

This year, the sheep contest had 16 contestants.
This year the beef contest had 10 participants.

Parents and friends were on hand to lend support to the Little I participants.
THE CHAMPIONS

(L to R) Swine Chairman, Randy Huser; Swine Champion, Brenden Osborn; and Swine Judge, James Hall

(L to R) Swine Chairman, Randy Huser; Swine Reserve Champion, Stacy Barth; and Swine Judge, James Hall

(L to R) Sheep Chairman, Brenden Osborn; Sheep Judge, Rodney Werth; and Sheep Champion, Anita Sakala

Sheep Reserve Champion, Randy Huser not pictured.
(L to R) Horse Reserve Champion, Kris Hammeke; Horse Chairman, Rich Gleason; and Horse Judge, Scott Ludwig

(L to R) Horse Champion, Donna Inlow; Horse Chairman, Rich Gleason; and Horse Judge, Scott Ludwig

(L to R) Beef Chairman, Bryan Burnett; Beef Judge, Scott Barrows; and Beef Champion, Jayne Dick

(L to R) Beef Chairman, Bryan Burnett; Beef Judge, Scott Barrows; and Beef Reserve Champion, Robert Corley
(L to R) Dairy Judge, Mike Ouellette; Dairy Chairman, Jerry DeWeese; Dairy Champion, Randy Huser

(L to R) Dairy Judge, Mike Ouellette; Dairy Chairman, Jerry DeWeese; Dairy Reserve Champion, John Gould

Dairy Judge Mike Ouellette and his little boy, a future Little I participant.

Kathy Huser presented the Honorary member certificate to Mike Ouellette.
The Little International banquet was held in the Memorial Union. Parents, friends, supporters, and Block and Bridle members attended the banquet.

The Master of Ceremonies for the Little International was Alan Dinkel from Oakley, KS.
Dr. Ron Nelson announced many of the awards presented at the Little International banquet.

Dr. Gould presented the Graduate of Distinction award and the Faculty Service award. The Graduate of Distinction award went to Darwin Bickford.

Frank Morey presents an award to Edward and Carolyn Scanlon for their generous support for the FHSU Agriculture Department.
Two Workhorse awards were given this year and they went to John Gould and Laura Kleweno. This is an award given for the amount of work done for the Block and Bridle club.

The two recipients of the Outstanding Freshmen award went to Randy Huser(left) and Curtis Ohlde(right). This award is voted on by the Block and Bridle members.

Dr. Gould presented plaques to people who had been members for four years. (L to R) Jayne Dick, Rich Gleason, Rita Seba, Duane Hammke, Jerree Huckins, Sheila Morrill, and LuAnne Poer.
Jerry DeWeese received the Transfer award. This award is voted on by the Block and Bridle members.

Roger Gleason received the Herdsman award.

The top five contestants in the Swine contest were given awards. (L to R) Brenden Osborn, Jason Holdren, Linda Crawford, Lori Crawford, Stacy Barth, Chairman Randy Huser, and Tim Nedeau.

Brenden Osborn was presented a belt buckle for Champion Swine showman.

Stacy Barth was presented a belt buckle for Reserve Champion Swine showman.
Anita Sakala was presented a belt buckle for Champion Sheep Showman.

Randy Huser was presented a belt buckle for Reserve Champion Sheep Showman.

The top five contestants received awards in the Sheep contest. (L to R) Brenden Osborn (Sheep Chairman), Laura Kleweno, Christi Carson, Tim Nedeau, Randy Huser, and Anita Sakala.
The top five placings in the Dairy contest received awards. (L to R) Randy Huser, John Gould, Jason Holdren, Anita Sakala, and Jerry DeWeese the Dairy Chairman.

The top five participants in the Horse contest received awards. (L to R) Donna Inlow, Lori Crawford, Adair Hemel, Sloan Pebley, Kris Hammeke, and Chairman Rich Gleason.

Kris Hammeke received a belt buckle for Reserve Champion Horse Showman.

Horse Champion, Donna Inlow not pictured.
Randy Huser received a belt buckle for Champion Dairy Showman.

Dairy Reserve Champion, John Gould, not pictured.

The top five participants in the Beef contest received awards. (L to R) Stacy Barth, Roger Gleason, Troy Hansen, Rob Corley, Jayne Dick, and Chairman Bryan Burnett.
Jayne Dick was presented a belt buckle for Champion Beef Showman.

Belt buckles were given to the two top overall winners. Jerry DeWeese presented Jayne Dick the Overall Champion belt buckle and Anita Sakala with the Overall Reserve belt buckle.

Rob Corley received a belt buckle for Reserve Champion Showman.

Jayne Dick also received a pair of boots for being the Overall Champion Showman.
The second place team was made up of Jayne Dick, Sloan Pebley, and Rob Corley.

The first place team consisted of Randy Huser (left) and Brenden Osborn (middle).

The Livestock Judging Team from the fall semester was presented belt buckles. (L to R) Duane Strine, Kevin Huser (coach), Kathy Huser, Rich Gleason, Rob Rahe, Brenden Osborn, and Advisor Dr. Mike Gould.
After the Little International banquet, a dance was held at the VFW Hall in Victoria. B & B members, Little "I" contestants, and guests attended the dance.

Everyone enjoying the chicken dance, from students to advisors.
The DJ's for the dance.

Dr. Nelson, B & B advisor, and his wife enjoying the dance.

Frank Morey, Drew Irwin, and Nate Hulverson having a grand old time.
REGIONAL MEETING

REGISTRATION
BARN DANCE
BUSINESS MEETING
TOURS
REGIONAL DANCE
PUBLICITY
1990-1991
North Central Region
Block and Bridle Conference

October 26 and 27, 1990
Fort Hays State University
As schools arrived, they signed in and got their name tags.

A social hour was held while waiting for all of the schools to arrive.
Mark Painter (left) and Jason Holdren (right) help prepare for the barn dance.

After the social hour, everyone went to the barn dance.
Everyone enjoying the barn dance, even the cats.
A buffet breakfast was served before the business meeting.

Regional President, M.K. McFarland of South Dakota State University conducts the business meeting. Jerree Huckins, Vice President, is seated to the left and Laura Klewenko, Secretary/Treasurer, is to the right. Both are from Fort Hays State University.
REGIONAL OFFICERS FOR 1991-92. (L to R) Rob Rahe, President, Fort Hays State; Nancy Rajtthst, Vice President, Nebraska; and Darla Mainquie, Reporter, Kansas State.

The newly elected officers taking their oaths.

Dr. Gould (left) and President Hammond (right) saying a few words to the regional members.
Jerree Huckins, Vice President, gets the panel discussion on Government and Politics in Agriculture started. Seated from left to right is Bob Dickinson, rancher and past president for the American Simmental Beef Cattle Association; Bill Hoffman, wheat farmer and manager of FHSU farms; Allen Dinkel, city manager and former county agricultural agent in Norton; Jack Schmitt, farmer and feedlot manager; Gary Hall, representative for the State Department of Agriculture; and Delbert Wiedeman, farmer and president of the Kansas Wheat Commission.

Lunch was held in the Memorial Union cafeteria.

A group discussion was held to get everyone involved in giving new ideas to other Block and Bridle clubs.

John Gould shows slides of past activities.

After lunch, Lance Lippert, communication professor at FHSU, spoke on the importance of communication in Agriculture.
Tours were taken at the Fort Hays State University Farm, Ellis County Feeders, and the Doug Philip's ranch. Here everyone is at Ellis County Feeders.

Another stop on the tour was the Doug Philip's ranch. Doug Philips tells the history of his ranch.
On the Doug Philip's ranch is a stone quarry where Doug Philip's has made all of his stone posts.

Doug Philip's demonstrating how a stone post is made.
Lance checking out another interesting building at the Philip's ranch.

Pictured is the FHSU Dairy which was one of the units toured. Other units at the FHSU farm includes the Beef unit, and the sheep and swine unit.

Jerree checking out the horses at the Philip's ranch.
The Regional dance was held at the VFW Hall in Victoria, Kansas.
The North Central Regional meeting of Block and Bridle for the 1990-91 school year was held at Fort Hays State University. The whole meeting was a great success with everyone learning a lot and also having fun.

The following is a summary of the meeting for the North Central Region.

NORTH CENTRAL REGION

The Fort Hays State University Block & Bridle Club hosted 102 students from North Dakota State University, South Dakota State University, University of Nebraska - Lincoln, Iowa State University, Cloud County Community College, Fort Hays State University, Kansas State University, University of Missouri - Columbia, and the University of Arkansas.

Activities began with registration and a social hour Friday evening followed by a barn dance. Saturday morning started off with a buffet breakfast followed by the business meeting. Roll call was taken followed by the reading of the minutes from last year's meeting. University of Nebraska - Lincoln was chosen as next year's host school. There was also further discussion about the 1994 Winter National Meeting being held in conjunction with the American Royal Stock Show. After the business meeting, slide presentations were given by some of the clubs to show various activities their club has during the year. This was a good way of giving ideas to other clubs for possible group activities, community projects and fund-raising ideas.

"Government/Politics in Agriculture" was the topic of our panel discussion. During lunch, Lance Lippert, communications professor at Fort Hays State University, spoke briefly on the importance of communication in Agriculture. Then in the afternoon, the group toured the Fort Hays State University Farm, Ellis County Feeders, and the Doug Philip's Ranch. To end the weekend, everyone gathered in the evening for the dance.

We are glad for those who attended and allowed us to extend some "Kansas hospitality." We enjoyed the weekend and hope you did, too.
Block & Bridle to host regional conference

By Dawn Hansen
Senior copy editor

The Fort Hays State Block and Bridle Club is hosting the North Central Region Block and Bridle Conference Oct. 26 and 27.

The conference will begin with registration and a social hour from 7:30-10:30 p.m. today in the Country Kitchen Banquet Room.

The conference will continue tomorrow beginning at 8 a.m. with a buffet breakfast in the Memorial Union Black and Gold Room.

President Edward Hammond and Mike Gould, agriculture department chairman, will present the welcome from 8:45 to 9:45 a.m.

The general business meeting and chapter slide presentations will be from 9:30 to 11 a.m., followed by a panel discussion on “Government/Politics in Agriculture” from 11:15 a.m. to 12:15 p.m.

The panel will be made up of Allen Dinkel, Oakley city manager; Bob Dickenson, former national president of the American Simmental Association; Bill Hoffman, FHSU crops manager; Gary Hall, acting Kansas secretary of agriculture; and Delbert Wiedeman, president of National Wheat Grower Association. The moderator will be Jack Schmitt, FHSU alumni.

The panel discussion will be followed by a sandwich buffet from 12:15 to 12:45 p.m.

Lance Lippert, associate director of closed circuit television, will speak about the importance of communication in agriculture from 12:45 to 1 p.m., followed by a group discussion from 1:15 to 2 p.m.

The group will also tour the Ellis County Feeders, the FHSU farm and the Philip Ranch.

From 8 p.m. to 12 a.m. the group will attend a dance at the VFW Hall in Victoria.

Mike Gould, agriculture department chairman, said the conference is designed to teach more about the politics of agriculture.

“We’re trying to teach ourselves about government and politics in agriculture, because we don’t know enough,” he said.

Gould said the group travels to other areas to learn.

“We go to the various states to get a feel of the agriculture in those areas. We try to learn about agriculture in the various areas,” he said.

Seventy students and advisers from eight states and 30 FHSU students will be attending the conference, Gould said.

“A lot of the students are looking forward to coming here and seeing what the FHSU people are like at home. They’ve seen us when we go to their states, but not here,” he said.

Agriculture/Political Forum to Highlight Regional Meeting of FHSU Organization

A panel on Agriculture/Politics/Farm Subsidies will highlight the annual regional Block and Bridle Club conference Friday and Saturday, October 26 and 27 in the Fort Hays State University Memorial Union.

University and college students from seven north central states have registered for the conference.

Appearing on the panel at 11 a.m. Saturday will be representatives of the livestock and grain industries, farm organizations and government.

Taking part will be moderator Jack Schmitt of Scott City, farmer and feedlot manager, and the following panelists: Bob Dickinson of Gorham, rancher and past president of the American Simmental Beef Cattle Association; Allen Dinkel of Oakley, city manager and former county agricultural agent in Norton and Rooks Counties; Delbert Wiedeman of WaKeeney, farmer and president of the Kansas Wheat Commission; Gary Hall of Topeka, representing the State Department of Agriculture, and Bill Hoffman of Hays, wheat farmer and manager of FHSU farms.

FHSU’s 70-member Block and Bridle Club is in charge of conference arrangements. Among the national officers attending will be secretary-treasurer Dr. Mike Gould of FHSU; president Dr. Ron Morrow of the University of Missouri at Columbia, and national publications editor Dr. Roger Lemenager of Purdue University.
HAYS--A panel on Agriculture/Politics/Farm Subsidies will highlight the annual regional Block and Bridle Club conference Friday and Saturday, Oct. 26, 27, in the Fort Hays State University Memorial Union.

University and college students from seven north central states have registered for the conference.

Appearing on the panel at 11 a.m. Saturday will be representatives of the livestock and grain industries, farm organizations, and government.

Taking part will be moderator Jack Schmitt of Scott City, farmer and feedlot manager, and the following panelists: Bob Dickinson of Gorham, rancher and past president of the American Simmental Beef Cattle Association; Allen Dinkel of Oakley, city manager and former county agricultural agent in Norton and Rooks counties; Delbert Wiedeman of WaKeeney, farmer and president of the Kansas Wheat Commission; Gary Hall of Topeka, representing the State Department of Agriculture, and Bill Hoffman of Hays, wheat farmer and manager of FHSU farms.

FHSU’s 70-member Block and Bridle Club is in charge of conference arrangements. Among the national officers attending will be secretary-treasurer Dr. Mike Gould of FHSU; president Dr. Ron Morrow of the University of Missouri at Columbia, and and national publications editor Dr. Roger Lemenager of Purdue University.

###
WINTER NATIONAL MEETING IN HOUSTON, TEXAS
Upon arriving in Houston, Dr. Gould handed out the National B & B convention shirts.

The seventy first National meeting of Block and Bridle was held in Houston, Texas, February 28 thru March 3, 1991. At this meeting, there were tours, dances, seminars, workshops, a rodeo, a concert, the Houston Livestock Show, and a trip to Mexico.

The guide for the tours was Wade Smith.
The first tour was of the O'Brien Ranch. On this ranch they raise purebred and commercial cattle, quarter horses, deer, wild hogs, turkeys, quail, and dogs for ranch work.

B & B members were able to walk around and look at the ranch after hearing about the history of the ranch.
The next tour for the day was the Welder Wildlife Foundation. This Foundation does scientific research on ranches, cattle, wildlife, water, and grazing.

One of the five stops at the Welder Wildlife Foundation was where some research on range management on cattle was done.
Another place visited was an aquarium in Corpus Christi.
Here is the view when looking out the top floor windows of the aquarium. This water is between Corpus Christi and Mustang Island.

Carmen and Randy wait on everyone in the lobby at the aquarium while Dr. Gould visits.
Another tour was the King Ranch. There was a breakfast and a video about the ranch. Also on the ranch is horse and cattle divisions.

The great grandson of Wimpy gets a workout. Wimpy was an outstanding quarter horse sire born and raised at the King Ranch.

The stable at the King Ranch.
The feedlot at the King Ranch has the capacity to hold 14,000 head. This is a pen of Santa Gertrudis cattle.

A quick stop on the way to Brownsville was at an ostrich farm.
John Gould entertains on the trip back from Brownsville by telling jokes.

The Hudgins Brahman Ranch was another interesting tour. This is the largest Brahman ranch.
A pen of Brahmans at the Hudgins Ranch.

This is the Sheraton Astrodome where the rodeo and concert was held. Also on the grounds was the Houston Livestock Show and a carnival.
A rodeo was held and also a concert by the Oak Ridge Boys and the Gatlin Brothers.

Block and Bridle members arriving back at the hotel and waiting to get into their rooms.
Seventy First
NATIONAL MEETING

February 28 - March 3, 1991
Houston, Texas

Meetings: Sheraton Astrodome, Houston

Name: ___________________ University: ________________

Please bring this to all sessions.
THE NATIONAL BLOCK AND BRIDLE CLUB

We greatly appreciate the generous support of these Texas and National supporters:

1. Mr. Frank Litterst
   1603 Glade St.
   College Station, TX 77840
   $400

2. Superior Livestock Auction, Inc.
   131 E. Exchange Suite 121
   Fort Worth, TX 76106
   $250

3. Zebbie’s Incorporated
   1415 N. 20th St.
   P.O. Box 787
   Memphis, TX 79245
   Spice Packets

4. The Figaro Co., Inc.
   111 Manufacturing St.
   Dallas, TX 75207
   Liquid Smoke

5. Utopia Spring Water
   5720 Rittiman Plaza West
   San Antonio, TX 78218
   T-shirts

   Industry, TX 78944
   Jellies

7. Traylor Farms, Inc.
   Tr. 1 Box 140
   Naples, TX 75568
   Peanuts

8. Billy Bob’s
   131 E. Exchange Ave.
   Suite 222
   Fort Worth, TX 76106
   Tickets

9. Bolner’s Fiesta Products
   Gift Packs (Spices)

10. American Cowboy Songs, Inc.
    3015 Leeville Road
    Mt. Juliet, TN 37122
    Chris LeDoux Tapes

11. American Quarter Horse Association
    P.O. Box 200
    Amarillo, TX 79168
    Brochures

12. Country Club Leathers
    537 Woodward Street
    Austin, TX 78704
    Back Pack

13. Pioneer Flour Mills
    P.O. Box 118
    San Antonio, TX 78291
    Homestyle Gravies

    512 N. John
    Palestine, TX 75801
    Bakery Samples

15. Collin Street Bakery
    Corsicana, TX 75110
    Bakery Samples

16. Action Company
    McKinney, TX
    Tack

17. Granada Foods
    Sandwich Coupon
BLOCK & BRIDLE SOUTH TEXAS TOUR SCHEDULE

**Wednesday, February 27 - 1:00pm**: TAMU Granada Tour.
- 6:00pm: Drive to Houston. Stay at Days Inn or Quality Inn.
- 6:00pm - ??: Convention Registration at Days Inn.
- 7:00pm: Mixer at Days Inn.

**Thursday, February 28 - 6:00am**: Breakfast on bus. Doughnuts, orange juice, and milk. Drive to O'Brien Ranch. BBQ Lunch.
- 1:00pm: Drive to Welder Wildlife Foundation.
- 3:30pm: Drive to Mustang Island. Stay at Holiday Inn Beach Resort. Shrimp Boil. Dance. Volleyball, Football, etc.

**Friday, March 1 - 6:30am**: Drive to King Ranch (Kingsville). Eat breakfast there. Tour King Ranch.
- 10:30am: Drive to Riviera Wildlife Ranch. Eat lunch there. Tour ranch.
- 1:00pm: Drive to Brownsville. (Fish market, Citrus farms?).
- 3:00pm: Shopping in Mexico (Matamoros). Dog races in Harlingen begin at 7:00pm.

**Saturday, March 2 - 7:00am**: Breakfast on bus. Doughnuts, orange juice, and milk. Drive to Hudgins Brahman Ranch (Hungerford).
- 11:00am: Tour ranch. Chicken Fried Steak Lunch.
- 1:30pm: Drive to Houston.
- 3:00pm: Arrive in Houston. Stay at Sheraton Astrodome (formerly the Astro Village).
- 7:45pm: Rodeo performance.
- 10:30pm - 2:30am: Dance at Sheraton Astrodome Hotel Ballroom.

**Sunday, March 3 - 8:00 - 10:30am**: Prayer Breakfast.
- 10:30am - 1:30pm: Seminars.
- 1:30 - 2:30pm: Workshops.
- 2:30: Adjourn.
GENERAL TOUR RULES

1. No rowdy behavior.
2. No smoking on the tour bus.
3. Absolutely no alcohol consumption on the bus.
4. It is very important to maintain the schedule.
5. If you switch busses or plan to, you must notify the tour guides of the bus you are switching from. This is to help us keep track of everyone. If you don't follow this procedure, you may get left somewhere and Mexico is not the best place to be alone after dark.
6. No glass containers on the beach.
7. A master list of the hotel room assignments will be made. If any damages occur to your room you will be held accountable for the damages.

SPECIAL RULES FOR MEXICO

8. Listen to your tour guide about "specific meeting time" for return back across from Mexico.
9. You must have picture ID to go through customs entering and leaving Mexico.
10. Stay in groups in Mexico.
11. You must be 21 if you're going to purchase alcohol and bring it back across. If you're not 21 and try to bring it across, you will be fined. You will not be allowed to bring more that 1 case of beer or 1 liter of hard liquor back into the U.S.
12. Any alcohol obtained in Mexico will be put in the baggage compartment of the bus for the remainder of the trip.
GENERAL INFORMATION

The National officers welcome you to this Seventy-first National Meeting. We hope you enjoy it, learn new things, meet new people and go home enthused about your club and career opportunities in the Animal Science area.

SCRAPBOOKS: Applicants should be left at the Block & Bridle registration table at the motel or turned into the Motel Registration Desk marked to be held for Dr. Howard Hesby, Block & Bridle Club. He will pick them up and take them to be judged Sunday morning.

DRESS: Wednesday to Saturday at all functions, school clothes are adequate. This was to help you cut down on the luggage you needed to carry and to let you enjoy the Rodeo and dance in more comfort. Sunday we encourage you to dress up for all day if you can; however, if you didn't bring dress clothes, school clothes are fine.

HOW TO CHANGE BACK INTO TRAVEL CLOTHES: After the meeting may be a problem. The check out in the motel is at 12:00 Noon. The solution may be to hold rooms late if they don't need the room.

NAME TAGS: Each of you should have name tags at all times. This will get you into the concurrent sessions and the dance. It was necessary to charge the registration fee to help cover the expenses of this expanded format of our national meetings. This will also help you to learn other people's names. The speakers will have ribbons on their name tags to help you identify them. The hosts from Texas A&M will have host ribbons on to help you with anything you might need. Please ask if you need help. Each tour bus will have 2 Texas A&M Saddle & Sirloin Club hosts in charge of the bus. Please give them your cooperation to help stay on schedule.

PICTURES: Please take all pictures you want to at any of the functions for your yearbook or for programs at your local clubs. Official pictures of the junior scholarship winners and a representative of each club that places in the Top 5 of the published annual yearbook, scrapbook, and activities will be taken as each of these awards are given out. If you winning clubs want a picture of your own, sneak up and take them. This is to help you get a food picture for your club. We encourage you to show slides of this meeting and tour to help promote next year's meeting at Louisville, Kentucky.

MOTEL COURTESY: It is a very large motel and we don't have all of the rooms rented. Therefore, we need to show respect to the motel and their other guests. They do charge $0.50 for local phone calls made from each room. Long distance calls can be made collect or billed to a third party for free. Therefore, when you call your mother at 10:00pm Saturday night to tell her you are safely tucked into bed and going to a get a "Good" night's sleep, call collect. When you come back from the dance, please keep it quiet and orderly. It is imperative, after the long day, tour and dance that you try to get some sleep. You will find that Saturday nights are fairly short in Houston.
DANCE: Tarleton State University B&B Club is serving as the D.J. for the dance. There will be a cash bar at the dance. Please stay in the ballroom with your drink and do not wander in and out. They have given us this room as a private party room. Please stay and enjoy it. Only students 21 and older may purchase drinks. Your name tag is your ticket to the dance. If you lose it, you will have to pay $3.00 to get in.

ADMISSION TO HOUSTON LIVESTOCK SHOW: If you have a rodeo ticket you will be let into the show buildings free on Saturday. If you want to go on any other day you have to pay $4.00. You can get on grounds free anytime, but parking costs $3.00 per vehicle.

GUIDE TO SEE THE LIVESTOCK & EXHIBITORS: The dome proper is separate from Astrohall where the livestock are. The dome is used for Rodeos and judging contests. The livestock are judged in the Astrohall. If you come from the motel you may have to walk around the dome to get to the livestock in the Astrohall. The dome was the first enclosed stadium and was built by Harris County. The Astrohall and Horse arena were built by the Livestock Show people and donated to the county to be used as an exhibit hall the rest of the year. It has 27 acres under roof that is air-conditioned and heated.
Block & Bridle Club Background and General Information:

The National B & B Club was formed at the International Livestock Show in Chicago in 1919. Students from Animal Husbandry Clubs from Iowa State, Kansas State, U. of Missouri and U. of Nebraska formed the original organization. Since then it has grown to over 70 chapters. At present, several universities are interested in joining. A club can be formed at any junior or senior college or university where animal husbandry or science is taught. The main criteria of members and clubs is to be interested in animal agriculture and promote the animal industry. Originally the main purpose of each club was to support the livestock, meat and wool judging teams. Although this is still a main purpose, most clubs have many other excellent objectives. The workshops on Sunday afternoon will give each of you a chance to learn about new activities and functions which you may want to incorporate into your local club. The officers at the National B & B Club are as follows and the officers are elected every two years at the November meetings in Louisville. A nominating committee nominates people, but nominations may be made by delegates from the floor. The nominating committee consists of the present and former presidents. The terms of the office are as follows: President - 2 years, Vice-President - 2 years Secretary/Treasurer - 4 years, and Editor - 4 years. The Secretary/Treasurer and Editor have four year terms because it lends continuity to the sending of annual reports and new initiates, honorary members and outstanding seniors' names by having the terms four years instead of 2 years.

WHO ARE THE NATIONAL OFFICERS?

President: Dr. Ron Morrow is a professor in the Department of Animal Science at the University of Missouri. He received his Ph.D. in Animal Breeding from the University of Tennessee. Dr. Morrow spends 75% of his time teaching. The other 25% of his time is devoted to research in cow/calf management and work in intensive rotational grazing programs. He has been at the University of Missouri since 1974.

Vice-President: Dr. Stephen Jackson was part of the faculty at the University of Kentucky, but last fall he moved to Kentucky Equine Research, Inc. He is a graduate of Texas A&M University and is involved in horse research.

Secretary/Treasurer: Dr. Mike Gould is a faculty member in the Animal Science Department at Purdue University. He received his Ph.D. from Oklahoma State University in Animal Breeding. His research area is beef cow nutrition. He is the chairman of the Agriculture Department at Fort Hays State University in Kansas.

Editor: Dr. Ron Lemenager is a member of the faculty at Purdue University. He received his Ph.D. in beef cattle nutrition from Oklahoma State University. His research area includes beef cow nutrition.
**BLOCK & BRIDLE SOUTH TEXAS TOUR SCHEDULE**

**Wednesday, February 27** - **6:00pm - 1:00am**: REGISTRATION DESK AT HOTEL. Days & Quality Inn - Houston. Be sure to say you're with the Block & Bridle Convention.

7:00pm - Mixer at Days Inn.

**Thursday, February 28** - **SOUTH TEXAS TOUR STARTS TODAY AND RETURNS SATURDAY AT 2:30PM.** This is a complete package which includes meals, Thursday and Friday night motels, bus to the border and back, bus into and out of Mexico, beach party on the ocean Thursday night and breakfast at the King Ranch on Friday morning.

6:00am: Breakfast on bus. Doughnuts, orange juice, and milk. Drive to O'Brien Ranch. We will have a BBQ lunch at this ranch for a noon meal. This ranch is a typical, traditional family Texas Ranch. They raise purebred and commercial cattle, quarter horses, deer, wild hogs, turkeys, quail, and dogs for ranchwork. Three of the sons majored in Animal Science and minored in rodeo at TAMU. They will demonstrate using dogs to work cattle and team roping plus show you some of the ranch. They have wild hogs they trap and place on self-feeders. They breed them, farrow them, and fatten them without ever touching them prior to butchering on the ranch for meat and to mix in with their deer sausage. They also have a large hound breeding kennel where they produce ranch dogs. None of this is fancy, but very practical. Beautiful ranch home which you may get to see plus meet a very nice traditional Texas ranch family.

1:00pm: Drive to Welder Wildlife Foundation. This is a foundation that does scientific ranch-cattle-wildlife-water-grazing research and tries to tie it all together in management packages. They are set up to give good tours stopping at five different stops. It will be very educational and, hopefully, give you an appreciation of the complexity to run a multi-species ranch and do it scientifically.

3:30pm: Leave this 8,000 acre foundation and drive to Mustang Island, taking the busses across the ferry for the fun of it, and to save about 40 miles. You will see where some of the big ocean drilling rigs are built and see coastal grazing land. We will be northeast of Corpus Christi. We will be at the Holiday Inn Beach Resort Hotel. This hotel is right on the beach at the Gulf of Mexico. The hotel will give us a shrimp boil dinner on the beach (inside the ballroom if it rains). You will have the beach for a party the rest of the evening. Pray for good weather.

**Friday, March 1** - **6:30am**: Drive to King Ranch (Kingsville). King Ranch Henrietta Center and Museum. We will meet here for breakfast and possibly a slide show about the ranch that you will not be able to see. They have the ranch museum here which has some good history on the ranch. We will leave here and tour their horse and cattle division which has the feedlot. We can drive
through the feedlot and stop and let them discuss this. They have capacity for about 14,000 head. At one of these stops they will discuss their new crossbreeding program for about half of their 50,000 cows. At present, about 25,000 of these cows are not on their half million acres around Kingsville, but are in North Texas because the drought the last two years in South Texas.

10:30am: Drive to Riviera Wildlife Ranch. This is an exotic game ranch where you can actually see game there in 12 foot fences and smaller pastures. We will eat lunch there while you're enjoying this beautiful ranch and plush facilities.

1:00pm: Drive to Brownsville and see as much as we can see of South Texas: Fish market, Citrus farms- what is left after two big freezes, shrimp fishing, etc. We will go to the bridge. Our busses cannot go across the border, so we will run shuttle busses back and forth to the market, about a mile away. The shuttle busses will have Mexican guides. You will have to go through customs coming and going. You will eat on your own in Mexico (good experience!). You can shop, bargain, watch, visit, shop, eat, shop, enjoy. IF YOU ARE NOT 21, YOU CANNOT BRING ANY ALCOHOL BACK, SO DO NOT EVEN TRY. THEY WILL TAKE IT FROM YOU AT CUSTOMS. IF YOU DO, DO NOT PLAN TO CONSUME IT ON THE BUS. HAVE A GREAT TIME - REMEMBER, YOU ARE IN A FOREIGN COUNTRY.

7:00pm: Dog races begin in Harlingen. Return to Mustang Island after races.

Saturday, March 2 - 7:00am: Breakfast on bus. Doughnuts, orange juice, and milk. Drive to Hudgins Brahman Ranch (Hungerford).

11:00am: This is the largest Brahman ranch. You will see a good slide show on the ranch when you eat (Chicken Fried Steak). We will see their bull sale pens where they sell hundreds of bulls each year and test them under feedlot conditions.

1:30pm: Drive to Houston - about 52 miles. You will check into your convention hotel, walk across the street to the Houston Livestock Show, or sleep.

CONVENTION HOTEL: Sheraton Astrodome (formerly the Astro Village). This is the same hotel that the livestock and wool judging teams stay at in Houston. It has a much bigger ballroom for the dance and convention. The 4-H and FFA students will be leaving on Saturday so we lucked out and got this one where you can walk back and forth to the Dome Saturday and/or Sunday.

7:45pm: Rodeo performance with concert by the Oak Ridge Boys and the Gatlin Brothers. We have 450 tickets blocked and can get more if needed. All the normal rodeo events plus barrel racing, covered wagon races, 40 4-H students in a calf scramble, wild horse riding contest between Texas colleges, and fireworks. We could not get 450 tickets in a block in the lower sections, so we're going with $5 general admission tickets which also get you into the show, so not a bad deal. If you have never been to an Astrodome Rodeo, you need to go.
10:30pm - 2:30am: Dance at Sheraton Astrodome Hotel Ballroom. Admission is free for registered students, $3 for others.

Sunday, March 3 - 8:00 - 10:30am: Prayer Breakfast with speaker, devotions, and music.
10:30am - 1:30pm: Seminars.
1:30 - 2:30pm: Workshops.
2:30: Adjourn.

$1.00 off

ANY Sandwich
at
GRANADA FOODS

Valid only at the Granada Foods booth in the Houston Livestock Show -located near Astroarena entrance.
*1 coupon per customer*

$1.00 off
LEGEND
1. Contemporary Arts Museum
2. Fine Arts Museum
3. Burke Baker Planetarium
4. Miller Outdoor Theatre
5. Golf Course
6. Hermann Park Zoo
7. South Main Bus Terminal
8. Downtown - 10 min.
9. Intercontinental Airport - 45 min.
10. Hobby Airport - 20 min.
11. NASA - 45 min.
12. Galveston - 60 min.
13. University of Houston - 15 min.

SEE ENLARGEMENT TO THE RIGHT FOR DETAILED MAP OF SHAD ED AREA

Astrodome
Astrohall, Arena
where livestock, horses are

Astroworld
Waterworld

Sheraton

Buffalo Speedway

Old Spanish Trail

S. Braeswood

Texas Medical Center

University Blvd.

Hermann Park

Bissonnet Blvd.

Rice Blvd.

Holcombe

Rice University

Fannin

S. Braeswood

N. Braeswood

Green

State Hwy 288

State Hwy 59

The Heights

Old Spanish Trail

S. Braeswood

Kirby

Fannin

Tiuas

t-

I-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-

l-
The technology of Embryo Transfer is celebrating its 100th anniversary in 1991. Walter Heape performed the first embryo transfer between two rabbits in Cambridge, England and reported his success in 1891. Since then, rapid progress has been made in the utilization of embryo transfer and its related technologies. Today the field of embryo transfer is a vital and integral part of animal agriculture. It is paralleling the Artificial Insemination industry while making the female play a more important role in the genetic progress of the breeds. The genetic advances being made in herds using embryo transfer is greater now than ever before. Career opportunities available with a background in embryo transfer technology are increasing rapidly. As a breeding tool, embryo transfer knowledge is becoming a necessary part of competitive animal agriculture. If you want to be competitive, you need to use all of the technology that is available to you. ET is just the start!

Dr. Clifford G. Dorn
ET Consultant

TEXAS A&M UNIVERSITY
REPRODUCTIVE SCIENCES LAB
COLLEGE STATION, TEXAS
CAREER OPPORTUNITIES IN EMBRYO TRANSFER

AGRICULTURE:
- RANCH MANAGEMENT
- ET TECHNICIAN
- ET ASSISTANT
- REPRODUCTIVE CONSULTANT
- EQUINE BREEDING FARM MGR
- SHEEP & GOAT MANAGEMENT
- VETERINARY MEDICINE
- DAIRY MANAGEMENT
- BREEDING SERVICES (ABS & COBA)

GOVERNMENT:
- UNIVERSITY RESEARCH
- UNIVERSITY TEACHING
- EXTENSION SERVICE
- USDA RESEARCH
- INTERNATIONAL CONSULTING
- ZOOLOGICAL PARKS & CENTERS
- WILDLIFE CONSERVATION

HUMAN RESOURCES:
- HUMAN IVF LABORATORIES
- HUMAN FERTILITY CLINICS
- HUMAN REPRODUCTIVE RESEARCH
Embryo Transfer and related Technology isn't just for domestic livestock anymore.

Endangered exotic species can use embryo transfer and other reproductive advancements to have a better chance at survival in the future.

Research conducted with Texas A&M University has been studying reproduction using these technologies in the Kudu, Giraffe, Elephant, Gorilla, Suni, Addax, Oryx, Lion, Rhino, and many other exotic species.

REPRODUCTIVE RESEARCH IS AN ENTIRE CAREER OPPORTUNITY IN ITSELF.
Nobody who picked up the December 16, 1982 issue of Nature could doubt that there was some fundamentally significant difference between the two mice that graced the cover—beyond the fact that one was twice as large as the other. "Supermouse"—perhaps the only living rodent in history to achieve star status—was not just big, it was transgenic. Its remarkable growth had been governed by the structural gene for rat growth hormone, fused to the promoter for the mouse metallothionein-I gene. Supermouse became a very visible manifestation of genetic engineering's ability to profoundly alter an animal's phenotype.

The remarkable results of this experiment and others conducted in the early 1980s crowned years of frustrated attempts to refine and perfect the techniques necessary to create transgenic animals. Constructing the foreign fusion gene was just the beginning: microinjecting it into the pronuclei of single-cell ova; successfully implanting those into surrogate mothers; bringing the developing embryos to term; demonstrating that the foreign gene has been stably, heritably incorporated into the DNA of at least some of those newborns; and proving that this gene is regulated well enough to function in its new environment—all presented, and still present, formidable challenges.

Many of these challenges are now being tackled in model systems that are large to begin with—cattle, sheep, pigs, even chickens. The goal is not to produce cows as big as elephants (a popular misconception that persists even today), but to introduce specific, economically significant traits into livestock. Conventional breeders and molecular geneticists alike envision that tomorrow's transgenic animals will be more efficient at utilizing feed, will have leaner meat, will grow to marketable size sooner, and will be immune to those diseases that today decimate populations and profits.

And many biotechnologists see an-
other way to profit from transgenic animals, as living bioreactors that secrete valuable recombinant proteins and pharmaceuticals into their milk or blood stream. The concept of "molecular farming" has also caught the fancy of venture capitalists; the last year or so they have financed a host of transgenic startup companies—many of which are still headquartered in executive desk drawers.

Experimental results in large animals have been slow in coming, but seem to be worth the wait. It is possible to achieve the expression of incorporated, heritable, foreign genes in livestock. Successful "takes" are still very low and expression levels are nothing to brag about, but the research scientists who have devoted the last three or four years to such experiments are fairly encouraged by their progress. While technical challenges still remain, the main barrier to successful molecular farming—how to regulate a foreign gene's expression in its new host—remains in the cloner's domain. To him falls the task of manipulating regulatory signals so that the gene's spatial and temporal expression can be controlled at will.

The Growth-Hormone Lesson

While there is no doubt that transgenic mice are still the most reasonable model organisms for studying the integration, expression, and regulation of a foreign gene construct, they don't always prove to be reliable predictors of the same construct's behavior in large animals.

The early experiments using the zinc-regulatable metallothionein (MT) promoter and growth hormone gene (GH) constructs did, indeed, demonstrate that the integrated construct could pump out enough GH to grow giant mice. In most cases, it was even possible to control the gene's expression at will. What those experiments did not reveal, however, was the adverse physiological effect of chronic elevated hormone levels, or the fact that the zinc switch doesn't always work. As important, large animals transgenic for GH don't necessarily grow any bigger.

Experiments by Robert E. Hammer and colleagues (Nature 315:680, June '85), in which they injected the MT-human GH fusion gene into more than 5,000 ova (collectively) of rabbits, pigs, and sheep, were moderately successful in producing transgenics in all three species. And some of the pigs and rabbits even expressed low levels of human GH (none were exposed to high levels of zinc, however, which raises the gene's expression in mice by 10-fold). In no case, however, were the frequencies of transfer or expression anywhere close to what was possible in mice. Interestingly, month-old transgenic pigs, with plasma levels of hGH greater than 300 ng/ml, showed no dramatic increase in body weight. (In mice, 20-80 ng/ml is enough to set off a growth spurt.)

Mouse models can be equally misleading for leading experiments in sheep. James M. Murray, principal research scientist at CSIRO's division of animal production (Sydney, Australia), and his collaborators have found that their GH construct, which worked beautifully in mice, failed miserably in sheep. Murray opted for constructs consisting entirely of sheep DNA—not both the MT promoter and the GH gene. In mice, he could regulate this construct at will with zinc; in sheep, he couldn't get it to turn off. (Murray is now working with a modified MT promoter that may be down-regulated.) In mice, elevated GH levels doubled growth rates and had no adverse physiological consequences. In sheep, the chronic elevated levels of GH killed three out of four—one in 10 weeks, the others at 11 months. Murray's conclusion: "For this gene, anyway, the mouse is not a good model."

In fact, creating livestock transgenic for growth hormone might not be the best way to enhance their commercial appeal. According to Murray, to date, all such large animals suffer from common ailments—they have a reduced ability to fight infection, they tend to die young, the females are infertile—and there is no increase in growth rate. On the positive side, GH does cause the animals to grow leaner and can increase feed efficiency.

Regulating animals' growth genetically rather than by injections may only become feasible when it is possible to control GH expression. Hormones are tightly regulated, and interact in ways that we barely understand: creating hormonal imbalances in such a non-specific fashion is bound to cause trouble. On the other hand, adds Murray, transgenic constructs that instruct mammary glands to secrete human pharmaceuticals, or alter the protein composition of wool, for instance, should not affect an animal's physiology—thus allowing its use as a production system.

In fact, this is just the bet that many scientists—and venture capitalists—are willing to take. And the odds are looking better all the time. Transgenic mice already secrete human tissue plasminogen activator (t-PA) into their milk (Gordon et al., BioTechnology 5:1183, Nov. '87; Pittius et al., PNAS 85:5874, Aug. '88). The human secretion signal appears to function normally; t-PA mRNA is confined to the target tissue; lactation induces gene expression; and the t-PA is biologically active (although the protein's concentration ranged from a control level of 20 ng/ml to over 50,000 ng/ml). Moreover, transgenic, t-PA expressing mice pass these abilities on to their progeny. Will this situation obtain in large animals? Presumably—if the promoters are correct. But it takes doing the actual experiment to know.

Sheep: the first Success

The first—and, to date, the only—large animals to achieve the status of quasi-bioreactors are sheep. These transgenics secrete human factor IX or alpha-1 antitrypsin into their milk. Although expression levels are low, factor IX does seem to be active. And the trait is heritable.

These sheep culminate years of experiments done by J. Paul Simons and his associates at the AFRC's Institute of Animal Physiology and Genetics Research station in Edinburgh, Scotland. They, too, started with mice, and demonstrated that a cloned sheep beta-lactoglobulin gene (BLG) is expressed specifically in the mammary glands of lactating mice (Simons

Transgenic sheep (seen here being milked) are able to produce human factor IX and alpha-1 antitrypsin in their milk.
Sheep BLG levels in milk ran as high as 25 mg/ml (five times that estimated for sheep milk). Five out of seven "generation zero" mice transmitted the gene to their progeny.

For Simons, the mouse model system did prove an accurate predictor: the cloned BLG gene also directs tissue-specific secretion of human proteins in sheep milk (Simons et al. Biotech. 6:179, Feb. '88). Four transgenic sheep (out of 92 live-born lambs) carried the gene for human factor IX (FIX); one received the alpha-1 antitrypsin construct (a1AT). (Two more a1AT-containing sheep have been born since.) Three sheep have transmitted the FIX construct to their progeny, although some of the resulting females do not appear to have high expression levels, says Simons.

According to Simons, FIX expression levels in "generation zero" transgenics are very low—about 20 ng/ml—but the protein is active in standard clotting assays. By comparison, this protein's normal plasma level is 3 micrograms/ml. (Engineered mammalian cell cultures can secrete up to 100 ng/ml, he says, but the protein is only two-percent active.) And at least one of the a1AT-containing sheep expresses the protein in its milk, says Simons, but he does not yet have a good estimate of its concentration.

Obviously, the experiments have just begun. Simons' overall success rate for producing live transgenic animals from microinjected one-cell ova is still only one percent, and the expression levels are probably far from maximal. Add to this the long gestation period in sheep (five months), the 12 months it takes to reach sexual maturity, and the seasonal nature of the breeding cycle (only in the winter), and time-to-commercialization becomes very much an event of the future. Even these distant prospects, however, were appealing enough to Pharmaceutical Proteins Ltd. (Cambridge, U.K.), for it to fund the Edinburgh research—and wait for the reward.

Pigs: a New Model?
Pigs may become the second-level transgenic model system. In some ways they are the prototype of the cow, but the litters are larger and gestation periods shorter, according to Steven Holtzman, COO at start-up Embryogen (Athens, OH). The efficiencies of transgenic experiments are often better than for sheep or cats, approaching those achieved in mice. Pigs could be engineered as production systems for human pharmaceuticals, as well—with the vehicles being blood or urine instead of milk.

Vernon G. Pursel, a scientist at the Agricultural Research Service's Beltsville, MD facility, has devoted much of his early work to creating pigs transgenic for growth hormone (bovine or human). Although he found the efficiency of integration to be low, more than half the resulting transgenic pigs expressed GH—albeit at widely varying plasma concentrations. By slowly changing the composition of the feed, he was finally able to detect that the transgenic pigs grow a little faster than controls. But they still don't get larger.

Pursel has also found that continuous elevated levels of growth hormone are detrimental—even fatal. He is exploring the utility of other transgenic constructs, including ones containing growth hormone releasing factor, murine whey acidic protein gene, and sheep globulin gene. An incorporated sheep globulin gene might control foreign gene expression naturally, explains Pursel. In sheep and goats, this gene is developmentally regulated: it turns on one month after birth, and shuts down at puberty. Pursel and his associates have successfully produced pigs carrying the sheep globin gene; for reasons that are unclear, the transgenic animals are not yet expressing that gene.

Cows Take the Longest
Most scientists working on transgenic animals—be it for improving traits such as feed efficiency or for using them as factories for human pharmaceuticals—shy away from cattle. "In the cow," says Pursel, "you have a three-to-four year project.

And it's a cost venture, as well. Even the very first step—microinjecting foreign DNA into ova—has its price. Generally, one can't just insert a foreign gene and transfer the egg directly back into a surrogate mother, explains Pursel. To have a decent success rate, the injected ova have to be cultured first.

Improving efficiencies of gene transfer and expression is the major goal of research scientists at Granada Genetics (Houston, TX) and their various collaborators. "What one wants for cattle," says Baylor College of Medicine's (Houston, TX) Bert O'Malley, "is very high efficiency, because it's so expensive." Joseph M. Massey, Granada Genetics' president, claims the scientists have injected 3,000-4,000 ova to date; after one week in culture, about 40 percent survive. And efficiencies are still low—overall, he says, about one percent seem to incorporate and express the transgenes.

According to Massey, the company is already field-testing cloned bovine follicle-stimulating hormone/luteinizing hormone (FSH/LH) for its ability to induce superovulation. The FSH/LH gene, supplied by collaborators at Integrated Genetics (Framingham, MA), is joined to a beta-casein promoter. Massey says they have confirmed pregnancies and fetal development, but not yet live births of transgenic calves. Also in utero, he adds, is a transgenic construct that links an actin promoter with insulin-like growth factor (IGF), as well as an actin:estrogen receptor gene construct.

Massey claims it is the choice of promoters—actin, which targets muscle, and beta-casein, which targets the mammary gland (both of which have been developed by Baylor scientists)—that makes Granada's approach unique. "The goal," explains Baylor's O'Malley, "is to develop a vector system with tissue-specific enhancer-promoter activity."

Granada's real expertise, says Massey, is its ability to clone embryos. In fact, scientists at the company's production facilities (Marquez, TX) are producing clones daily: they have al-

Cloned triplet cattle, born April 1987. Once producing transgenic cattle embryos is routine, cloning them will result in the rapid production of herds with selected characteristics.
ready had live births of sets of two, three, up to seven cloned calves. "Now that we can do that," says Massey, "we need to identify a [candidate] embryo that has an expressing gene."

At least one transgenic cow is on the ground in Canada. Robert Church, a professor at the University of Calgary, says that his group has successfully produced an animal that expresses human beta-interferon (IFN). This animal has passed the foreign DNA on to its calf: the question is whether the calf will express that trait when challenged with live bovine diarrhea virus. The calf is still too young for this experiment, says Church.

Church has injected over 2,000 bovine embryos to date. He uses an MT-like promoter, which responds to cadmium, selenium, or zinc and turns on the IFN gene; turning it off is not straightforward. Once the stimulus is removed, however, gene expression gradually returns to its basal level.

The majority of Church's efforts are linked to a disease resistance program. His group has also produced three calves that have incorporated a transgene consisting of a whey promoter and an antigenic epitope of coronavirus. They also have some animals that have incorporated a construct of alpha fetoprotein promoter linked to a viral coat protein epitope. There is no expression so far, says Church.

Church is trying to develop a bovine stem cell line, into which one could transfer a gene and detect its expression before introducing it into the host as a blastocyst. Actually producing transgenic cattle, he says, is enormously costly and logistically complex, a situation only complicated by our limited knowledge of bovine cellular physiology.

Chickens, Too?

Most transgenic work with chickens is aimed at besting conventional breeders in improving the birds' muscle growth, egg production, and disease resistance. Making transgenic chickens presents its own unique dilemmas: being able to penetrate the egg shell, and then being able to introduce the pronucleus, which is very small compared to the fertilized ovum (the yolk) and impossible to see. An approach developed by embryologist Margaret Perry, in the Roslin lab of the AFRC's Edinburgh branch, may prove a way out of this conundrum—at least half of it. Perry has overcome the barriers of access to the egg by developing a laboratory culture system that actually produces a chick from a zygote. "We haven't yet produced a transgenic chicken," says Perry, "but we have hatched birds that have been grown in culture from a time shortly after fertilization. The technique allows us to introduce genes into fertilized ova."

Perry grows the embryo in an air-tight glass container for the first 24 hours, then transfers the contents to an egg shell, fills it with nutrient medium, seals it, and rotates the egg hourly for three days. Then, she transfers the entire contents of that shell to a larger shell, adds more medium, but allows an air space, and waits for the chick to hatch 18 days later. "Our success rate of hatching is still pretty low, about five percent," she says.

The Edinburgh group is still in the early stages of introducing genes into fertilized ova. At this point, the experiments involve incubating the embryos for seven days (with about 50 percent viability), and then analyzing the fate of the foreign DNA. "So far, our results indicate the genes are not integrated into the genome," because it is impossible to see the pronuclei in the embryo, "this is very much a hit-or-miss situation," concludes Perry. Even so, this technology is the subject of a patent application, and has sparked the keen interest of the investing public: "Quite a number of commercial companies have shown an interest," says Perry.

Will chicken eggs ever find a role as production vehicles? According to Perry, once a foreign gene is incorporated, it should be fairly straightforward. Quite a lot is already known about the ovalbumin genes; all the albumin, which is relatively pure, is laid down in the first five hours after ovulation. Moreover, this happens every 24 hours as each ovum is produced.

In the States, several transgenic companies devote part of their research efforts to chickens. Embryogen, which was formed in 1984 as the commercial arm of the Edison Animal Biotechnology Center on the campus of Ohio University, collaborates with Merck Sharp & Dohme (Rahway, NJ) on such a venture. And Transgenic Sciences' (Worcester, MA) president F. Donald Hudson says his company maintains a program with Tufts University Veterinary School (Grafton, MA) on using chicken eggs as production vehicles for human pharmaceuticals. At this point, says Hudson, they are doing the molecular biology; once they have the constructs, they will go into mice to prove the vectors work before scaling up to chickens. According to Hudson, most people agree the only reasonable way to introduce genes into chicken embryos is via retroviral vectors, due to the complexity of getting DNA into the pronuclei.

Embreq (Research Triangle Park, NC) is initiating a program in transgenic poultry, as well. According to president Alan G. Herosian, this is a long-term R&D goal. The company's present focus is developing high-speed technology for vaccinating eggs, a system that is just about to go into field trials. Herosian has no plans to use transgenics as production vehicles; Embreq's fledgling transgenic program is aimed at improving commercially interesting traits, by combining genetics with high-speed delivery technology.

Validating a Cow

Transgenic livestock are still a long way off. According to CSIRO's Murray, "If everything were looking well, it would probably still take five to six years for the first commercial success." Tied to that success, of course, are regulatory issues—how difficult will it be to define quality control, for instance?

Transgenic Sciences' Hudson feels that animal production systems are not that different than mammalian cell culture systems. The main issue, he says, is to be able to prove to the Food and Drug Administration (FDA) that the proteins are pure and nontoxic, and that the process doesn't affect the animal per se. We already have human fertility hormones isolated from the urine of post-menopausal women. And Premarin, a post-menopausal drug, comes from pregnant mare serum. We use insulin derived from pigs, and lysozyme from egg whites. Given these examples, it shouldn't be a conceptual leap for FDA, concludes Hudson. And Kevin Kinsella, acting CEO of Chimerix Biotech (La Jolla, CA), agrees that there are already enough examples of animal proteins being used in humans to set a precedent. Kinsella does predict, however, that the regulatory burden will be severe on issues of purity.

Robert Church, on the other hand, foresees a major difficulty in validation issues. "When do you draw the line between an animal as a production unit and an animal as an animal? FDA is not used to looking at a situation where the animal itself is part of the test system. But if the animal tolerates the foreign protein, and is otherwise normal, that ultimately has to be the test system."

For a free copy of this article (while available), write in 501 on Reader Service Card.
Embryo transfer is currently celebrating 100 years of achievement as of 1991. Walter Heape pioneered a science that has become a viable agricultural industry throughout the world. The application of embryo transfer technology has greatly enhanced livestock breeding systems through selective breeding and rapid production of outstanding individuals. Today, embryo transfer and related reproductive technologies are an integral part of livestock production in many senses.

Embryo transfer in a simplified sense is the removal of a fertilized embryo from the reproductive tract of the genetic mother or embryo donor and the placement of that embryo into the reproductive tract of the surrogate or recipient animal. The recipient animal acts as a live incubator nourishing the developing embryo without adding any genetic effect. The entire genetic structure of the embryo and resulting offspring is determined at the time of fertilization in the donor's reproductive tract. This means that if the donor and sire are both Simmental then the offspring will also be Simmental regardless of what breed the recipient is. The only effect that the recipient will have on the developing fetus and resulting offspring would be determined by the nourishing capabilities of the recipient. The birthweight of the calf is mainly determined by genetics, but an inadequate uterine environment could result in a smaller birth weight. The milking ability of the recipient would definitely affect the weaning weight of the embryo transfer offspring. These factors dictate that the recipient animal be carefully selected for the desired mothering ability that is needed.

Embryo transfer technology has expanded past the simple collection and transfer of embryos. It is now possible to recover multiple embryos from a single donor at one time and then freeze those embryos for transfer at a later date. Embryo freezing technology adds a new dimension to livestock management and marketing. It is possible to recover the embryos at one location, freeze them and then transport them long distances to another location to be transferred into awaiting recipients. This can greatly reduce the cost of shipping genetics from one country to another. Embryos are being routinely transported across the United States from one State to another and around the world where developing countries can take advantage of improved genetics. This reduces not only the transport cost but also the risk of disease transmission from one animal to another. Embryos which are properly handled do not transmit disease organisms from the donor to the recipient or resulting offspring.

Each embryo recovered from the donor can possibly result in a single offspring being produced. The success of transferred embryos generally ranges from 50-70% in actuality do to a number of reasons. Each of the embryos recovered represents a unique genetic individual. The offspring from the multiple embryos
recovered at a single collection will be as genetically different as if the donor would have had the embryos produced one at a time over a period of years. Some of the embryos will be male and some will be female, some can be outstanding and some can be average. All in all there will be a variety representing different possible gene combinations between the parents. There is a technology which can overcome the genetic differences and produce genetically identical offspring. This is called Cloning. The easiest form of cloning is through embryo splitting, whereby a single embryo can be cut into two halves and each half transferred separately. The splitting process can result in the production of two identical offspring. Both resulting offspring will have the same genetic structure therefore they will be of the same sex and same appearance. The second method of cloning is more complicated and is called nuclear transfer. Through nuclear transfer a single embryo is separated into individual cells. The number of cells depends upon the age and stage of division of the embryo but usually ranges from 8-32 cells. The individual cells are then microsurgically transferred into separate denucleated oocytes. The oocytes will provide the necessary cytoplasm for continued development. The nuclear transfer embryos are then cultured for a period of 4 to 6 days and those that continue development can be transferred into recipients. Each of the nuclear transferred embryos will be identical so it is possible to produce a large number of identical offspring from a single embryo.

Besides being able to produce genetically identical offspring, researchers are looking into altering the genetics within the embryo through gene transfer or genetic engineering. This technology can provide a means of incorporating new genetic traits into livestock. Such technology could possibly produce a more feed-efficient animal or one with greater resistance to certain diseases or environments. The possibilities are far reaching but yet some time away.

Other reproductive technologies include embryo sexing, fetal sexing, in-vitro fertilization, in-vitro maturation, inter- and intra-species embryo transfer, reproductive ultrasonography and radio-immuno assays to measure hormone concentrations. All of these reproductive technologies play an important role in research and can influence animal production through controlling reproduction.

As technology increases and spreads into commercial application it is going to be more and more important to stay abreast of new advancements and their uses. Embryo transfer is playing an important role in animal production and it offers animal breeders a competitive edge in the fast moving animal industry. Today you must consider embryo transfer technology as another breeding tool at your disposal and use it to your benefits. If you do not make rapid progress in your breeding program, then you are not taking advantage of what is available. Be progressive and be successful!
Identical Bovine Offspring Produced By Nuclear Transfer

Charles R. Looney, Ph.D.
Granada Genetics, Inc.

During late January, 1988, a set of seven identical Brangus bull calves were born as a result of nuclear transfer experiments performed by Granada scientists. These seven identical calves, along with numerous other calves born in 1987, represent the first successful attempts to produce bovine offspring by nuclear transfer technology. The technique utilizes extensive micromanipulation to transfer nuclear material of a multicellular embryo into oocytes. These identical nuclear transfer embryos are then cultured for 4 to 6 days for development. These embryos can then be transferred into recipient cows for the production of identical offspring or themselves used as a nuclear donors for the production of even more embryos which are genetically identical.

In the procedure that produced the seven identical bull calves, a parent embryo underwent blastomere separation and the nuclear DNA material from the blastomeres were fused with oocytes by electrofusion. These first generation copies were then cultured in vivo. A total of 16 blastocysts developed and were non-surgically transferred to synchronous Holstein recipients. Eight pregnancies were confirmed 43 days after transfer and eight bull calves were delivered, however one was stillborn. The efficiency of producing nuclear transfer offspring typically has been somewhat lower than the described procedure. However, further refinement of the techniques and the use of serial nuclear transfer (See Figure) will increase the potential for production of large numbers of identical offspring.

Future Applications

The most probable future application of nuclear transfer to the cattle industry is the potential to standardize production costs by decreasing the tremendous variability in animals. Pens of identical beef steers would have similar gainability and feed efficiency and possess carcass characteristics of similar dimensions, fat content and muscle structure. Nuclear transfer technology also will allow the production of model animals for evaluation, which can be exactly duplicated at a later time. By selecting the most superior model for a given environment, production can begin on theoretically hundreds of offspring that provide consistent quality and predictability. Commercial dairymen also would benefit from maintaining a herd of genetically identical lactating cows and heifers. All females would have predictable milk production and require the same nutrient inputs. If desired, frozen embryos of the same genetics as the cows selected could be non-surgically transferred in an attempt to maintain the identical line of cattle for several generations.

Today's research commitment in nuclear transfer will likely translate to producing, in the future, 3 to 5 percent of all cattle offspring born in the United States. The potential to create identical end-product animals and the ability to accurately predict production traits makes nuclear transfer technology one of the greatest reproductive advances yet developed.

For further reading:


ANIMAL WELFARE

J. W. Turner, S.A.L.E. Chair Professor
Department of Animal Science
Texas A&M University

INTRODUCTION

Animal use and care by man has become an important social and ethical issue veiled with vegetarianism and attitudes relating to food safety and health concerns. It is an extremely complex issue that all involved in animal agriculture must address. Additionally, vivisection, experimentation with animals and environmental concerns all become interrelated with the issues of animal use and care. Animal rights and welfare concerns center on the question of speciesism or the power of human beings to exploit and use other species that are viewed as "equal" life forms. Singer (1975) presented the fundamental concept as "The basic principle of equality does not require equal or identical treatment; it requires equal consideration. Equal consideration for different beings may lead to different treatment and different rights." Further, he concludes that we must "... end our ruthless exploitation of the species in our power, not because we are forced to do so by rebels or terrorists, but because we recognize that our position is morally indefensible." Fox (1983) clearly presented the arguments of farm animal welfare and its relationship to the human diet. This publication sponsored by The Humane Society of The United States concluded that our nation needs to change our diets for humane, ecological and economic reasons. Factory farming was defined as "a metaphor for the industrialized exploitation of animal life for human profit at the expense of animals' rights, environmental resources, consumer health and the integrity of ecologically sound family-farm operations." Recently, the popular press has devoted considerable attention to the issues without any clear solutions (Annexstad and Oppedal, 1988; Curtis, 1989; Anonymous, 1989; Bocher, 1989; Horton, 1989). We are essentially still identifying the scope of the issues related to animal use and care.

Rather than continue with a broad discussion on the central issue, it would be helpful to restrict this discussion to the issue of animal welfare versus animal rights and the expanded issues. Animal welfare can reflect the concern with the well-being of animals and the wholesomeness of animal-derived food products (Annexstad and Oppedal, 1988). Animal rights support the right to exist without exploitation and is associated with anti-vivisection, vegetarian, urban-based and philosophical/theological movements (Annexstad and Oppedal, 1988). Anyone investigating the issue of animal rights will clearly involve themselves in ethical and moral
convictions that are resolved only on an individual basis. Logical arguments, facts and supportive references tend to be highly polarized, so one must carefully study this complex, public issue.

FARM ANIMALS AND FOOD

In April, 1989, the Animal Industry Foundation released a report entitled "Survey Results On How Americans View Modern Livestock Farming." Some interesting and conflicting opinions were observed from the survey of roughly 600 adults. First, farming was indicated as essential with an emotional view of family farming as a core of the American lifestyle. The main concern relative to farmers was damage to the environment with pesticides, insecticides, chemicals and pollution. In response to a question of how farmers currently treat their animals, 79% felt farm animals are currently treated humanely. Only 5% responded to non-humane treatment as their opinion. The majority of the survey respondents felt humane animal treatment was an important issue. The major concern was cruelty to farm animals with the opinion that good treatment related to better food products from farm animals. Beef cattle were felt to be humanely treated (69%) while veal calf production was given a 49% positive opinion of humane treatment. Dairy cows were felt to receive the most favorable treatment while chickens, turkeys and veal calves were viewed as most likely to be treated inhumanely among the farm animals. Hogs received a 63% humane treatment response. It was interesting to note that essentially every type of farm animal obtained a 15% non-humane treatment opinion except dairy cows. It would appear that a portion of the survey sample was consistent in assessing non-humane treatment to all types of farm animals. Veal calves were the class with the highest percentage (23%) of responses reflecting non-humane treatment. This, of course, could indicate the media attention directed to veal calf production methods.

A question relating to management practices that may be cruel or injurious--dehorning, tail docking and debeaking--was aimed to assess public acceptance. A majority (41%) felt the practices do not hurt animals and are done for safety and benefit. Only 24% felt the practices were cruel and done just for profit. A sample 28% did not express an opinion on the basis they did not know. However, when asked if they would vote for or against governmental regulations to insure farm animal health and insure humane treatment, 64% would vote "for" such governmental regulations. The major opinion for this position was to oppose inhumane treatment of animals. An interesting response also obtained was that 40% felt animals used in medical and pharmaceutical research are not treated humanely. Only 33% of the respondents felt such experimental animals were treated humanely.
It would appear that the public concerns essentially relate to pain and suffering of farm animals. The California Beef Council released a report in March, 1989 that indicated that concerns about production practices, animal treatment and product safety have had little impact on reported meat usage. Reduced beef consumption was overwhelmingly related to diet and health concerns. They reported that 80% of consumers believe and understand that proper treatment of farm animals is in the producer's economic interest and that producers are concerned with the health and welfare of their farm animals. They also noted that this confidence could be in danger of erosion. It was noted that beef producers should identify production practices that consumers might express concern about that could result in reduced beef consumption. There was evidence that consumers are concerned and want to learn more. This related basically to product safety (food) and not animal treatment or care. In summary, the farm animal industry cannot ignore increased consumer awareness and questions. Those organizations directed to animal rights and animal welfare are effective and capable of major influences on attitudes, perceptions and governmental regulations. These organizations are viewed as important by the public and are an effective source of public information whether the facts are accurate or not. Beef cattle producers must give proper attention to public opinion and are not currently viewed as credible sources of information. It, therefore, suggests that we must devote attention to public information programs and work with animal welfare organizations. Curtis (1989) recently stated that there has been less fruitful dialogue between animal activists and animal agriculturalists in the United States than in any other Western nation.

SOLUTIONS

Some animal rights organizations are radical and assume "direct action tactics" as necessary to address the issue (Anonymous, 1989). As a result of many documented acts, Congress is now considering legislation in response to activists' violence. While this is surely necessary, it does not solve the problem for our industries. Each producer must be truly concerned with the image and attitudes the consuming public holds concerning farm animal care and use. It will not be easy to refute or debate a zealot based on ethical or moral conviction. However, an open and honest response to questions will be effective and appreciated. Where change is needed, producers should be prepared to adopt proven practices. Research will continue to direct attention to animal care and use; however, this will be difficult research to evaluate since we must attempt to measure stress, pain or abnormal behavior. Our industry cannot afford to ignore the issue. It is safe to assume that the American public does not fully understand modern farming practices yet is concerned and compassionate when farm animal use and care are mentioned. Most likely, the industry
will face more governmental regulation relative to animal care in order to address the concerns of animal welfare. However, a positive effort to inform the public and offer assurance that our farm animals are properly cared for and food products are safe and wholesome is needed.

**LITERATURE CITED**


Anouncements:

Parking Suggestions: Park your vehicle at the Alright parking close to Hobby Airport. This parking lot has a twenty-four hour guard on duty. The cost is $4 per twenty-four hours. Another suggestion is that you could park in the Astrodome lot for $3 for the first night and leave it there until Sat. when you return. They should not check because they have so many cars coming and going. The Sheraton is just outside the parking lot.

Check in at Sheraton Sat. Afternoon. At best, it will be a long line when we bring 375 people back at once. Be patient. We are trying to work something out where hotel will try and help us speed it up. This Hotel is a merger of the Astroville, Days Inn and Holiday Inn. They are spending millions on remodeling it, but are not finished. They actually have two lobbies and registration desks. Be patient! If you are guaranteed your room and the line is long, you could walk to the Show until 6:00 p.m. and/or rodeo, walk back and then register. Do what ever you wish, but I have never seen any motel that could register that many students at once in a hurry. But ya'll will be fresh from an easy three days on your international trip, so you can handle it.

DANCE The dance Saturday night is in the Sam Houston Ball Room of the Sheraton. They said we can stay later than 2:30 a.m. if you want. If you are going to stay up later that night, we would appreciate you staying up later on the dance floor rather than partying in your room. The other guests, trying to sleep, would appreciate it if you would hoot up the dance floor and tone down your room parties. The rodeo should get over about 10:45 p.m. If you get bored at the rodeo, come over to the dance.

Eating Sat. night meal: There is about 50 food booths at the stock show. Granada Foods has a booth in the stock show. Granada is divided now into two divisions: Granada Genetics and Granada Foods. Mr. Jim Eller, Vice President and part owner, is giving you a dollar off any of their sandwiches. They have a variety to select from and they are good. Mr. Eller and most of his staff including Lynn Branecky, foods manager, are all former B&B members. They remember what a dollar was when they were in school. As you come into the show building from the Sheraton side, go across to the other side like you were going to the ASTRO Arena (not the dome) and you will see their booth on the right. You can graze, walk and see some of the livestock at the same time. The champions are usually displayed in the front of the main building. We are not sure what the effect of the war will do on the sale prices. Last year the champion steer went for $187,000. The sale is this Sat. morning when you are on the trip. Be sure and see all three wings of the show building and see the horse arena also. It will let you get the feel how big it is. They only let 1800 barrows in Houston. The youngsters bring 3300 barrows to county fair grounds in Brencham the Saturday before. The Judge sifts out
1500 barrows that do not even get to come to the show. Most students feel lucky if they can survive the sift.

Dress: Trip and Rodeo, school clothes. Dance, whatever! Sunday, dress up!

**SUNDAY SCHEDULE**

**8:00 TO 10:00 A.M. PRAYER BREAKFAST, BUSINESS MEETING AND AWARDS CEREMONY. SAM HOUSTON 2&3 BALLROOM, SHERATON HOTEL**

**PRAYER BREAKFAST:** Emcee Ms. Rene' Stewart, TAMU Saddle and Sirloin Club Member, Sterling City, TX.
Introduction of National Officers, Guests and Seminar Speakers
Welcome from Houston Livestock Show and Rodeo. Mr. Don Jobes, General Manager.
Welcome from Texas A&M University Saddle And Sirloin Club
Dr. John McNeill, Advisor TAMU Saddle and Sirloin Club
Devotional: Kyle Livingston, TAMU Saddle and Sirloin Club Member, Cleburne, TX.
Keynote Address: Mr. John Fisher, Auctioneer, Rancher, Businessman, Husband and Father. Past President of Saddle & Sirloin Club, Rt. 2, Box 132, Killeen, TX 76541 817/7932625
Closing and Announcements

**Business Meeting:**
President Dr. Ron Morrow presiding, Department of Animal Science, University of Missouri-Columbia, Columbia Missouri 65211 314/882-2443
President's Comments:
Vice President's Comments: Dr. Steve Jackson, Kentucky Equine Research, Inc.

Expansion opportunities for new clubs:
Secretary: Dr. Mike Gould, Fort Hayes State University, Hays, Kansas 67601 913/625-6993.
Minutes of meetings in Iowa State and Denver Meetings
Treasurers Report: Dr. Mike Gould
Instructions on sending in new member names, Honorary Member Names and new officers.
Editor's Report: Dr. Ron P. Lemenager, Animal Science Dept. Purdue University, Lilly Hall, West Lafayette, Indiana, 47907, 317/494-4817
Instructions on sending club abstracts for 1990-91 Year.

What is due from you this Spring to the National Officers
President Ron Morrow
Other New Business
Awards Presentation:
Outstanding Seniors which were presented at National Summer meeting of American Society of Animal Science.
President Morrow in charge of judging.

1. _________________________
2. _________________________
3. _________________________

Outstanding Juniors: Vice President Jackson in charge of judging

1. _________________________
2. _________________________
3. _________________________
4. _________________________
5. _________________________

Chapter Activities: Vice President Jackson in charge of judging

1. _________________________
2. _________________________
3. _________________________
4. _________________________
5. _________________________

Published Yearbooks: Editor Lemenager in charge of judging

1. _________________________
2. _________________________
3. _________________________
4. _________________________
5. _________________________
Nonpublished Yearbooks (Scrapbooks)

1. 
2. 
3. 
4. 
5. 

10:00 a.m. to 10:30 a.m. Hotel arrangement of meeting rooms and check out for those leaving early. We are hoping they will give late check out after the meetings are over at 2:30 p.m.

CONCURRENT SEMINARS 10:30 a.m.-1:30 p.m.
SAM HOUSTON BALLROOM 2&3

1. Dr. Clifford Dorn, Reproductive Physiologist, Veterinary Physiology Department, Coll. Of Veterinary Medicine, Texas A&M University, College Station, TX 77843
CURRENT STATUS OF EMBRYO TRANSFER AND CLONING.
10:30 - 11:30 a.m. Sam Houston Ballroom 2.
Moderator: Karlen Yerkes, Saddle and Sirloin Club Member.

2. Dr. Bill Turner, San Antonio Livestock Exposition Chair, Department of Animal Science, Texas A&M University, College Station, TX 77843 409/845-9284
ANIMAL WELFARE VS. ANIMAL RIGHTS.
Moderator: Bobby DeLeon, Saddle and Sirloin Club Member
10:30 - 11:30 a.m. Sam Houston Ballroom 3.

3. Dr. Jim Wild, Associate Dean of Agriculture, Texas A&M University, Texas A&M University, College Station, TX 77843 409/845-6465
AGRICULTURAL BIOTECHNOLOGY IN YOUR FUTURE.
Moderator: Betty Powell, Saddle and Sirloin Club Sweetheart.
11:30 a.m.-12:30 p.m. Sam Houston Ballroom 2.

4. Mr. Romero Recio, Director LatinoAmerica-Caribe, U. S. Meat Export Federation, 1415 Brook Meadow, San Antonio, Texas 78232 512/490-8116
MEAT EXPORT—NEW AND ADVANCING MARKETS.
Moderator: Stacy Kyle Sanders, Saddle and Sirloin Club Pres.
11:30 a.m.-12:30 p.m. Sam Houston Ballroom 3.

5. Joint Session. Mr. Carl G. Stevens, CPAE, President, Carl Stevens and Associates, Inc., 2450 Foundren Road, Suite 102, Houston, TX 77063 713/978-6609
SELLING YOURSELF AND YOUR IDEAS—THE NUMBER ONE NEED FOR SUCCESS
Moderator: Howard Hesby, Texas A&M University.
12:30-1:30 p.m. Sam Houston Ballroom 2 & 3.
BLOCK AND BRIDLE CLUB WORKSHOPS
1:30-2:30 p.m.

TAKE SOME NEW IDEAS HOME TO YOUR CLUB

These are idea sharing seminars where members can discuss what their club does, why they do it, how they do it and what are the successful results. These will only work if you club members will come and participate and tell what your club does. Clubs, spread out your members so you can gain some from each workshop.

1. Club activities that are successful and different for us—Why not try them with your clubs!
   Moderator:
   Front half of Ballroom 2.

2. Club fund raisers that are successful and different for us! Could these help your treasury?
   Moderator:
   Front half of Ballroom 3.

3. Yearbooks that sell our club and possibly breakeven! WHAT A DEAL!
   Moderator:
   Rear half of Ballroom 3.
   Clubs that have winning yearbooks, please come and share how you did it!

4. Scrapbooks that present our club this year and give a good history of it!
   Moderator:
   Rear half of Ballroom 2.

5. Advisors meeting with President Ron Morrow! Are you new and wondering what is going on? Come and find out what needs to be done each year and share your ideas with the officers!
   Rio Grande Ballroom B. This is in the other part of the hotel.
TRIP CHANGES FROM SCHEDULE

**McFaddin Enterprises Ranches.** Mr. Kerry McCan (Father) and Mr. Bobby McCan (Son), 106 1/2 Main St., Victoria, TX 77901. Office 512/572-8031, McFaddin Mercantile Store, 512/573-3001. This ranch was substituted at the last minute because the O'Breins had an 8 year old grandson showing a Hereford steer at Houston on Thursday morning. In Texas, when a ranch child shows, everyone goes including parents, grandparents, uncles and aunts. Thus, no one would be there to show the ranch. We hope you enjoy the McFaddin ranch. It is a very old ranch that has been in the family for over one hundred plus years. They now have three different ranches comprising enough land to run 5000 cows, a horse herd and a managed wildlife program with deer and quail. They developed their own breed of cattle which are called Victorias named after the county where some of the ranch is located. These cattle are 1/4 Brahman and 3/4 Hereford. They run 1 bull with 15 cows to get Sept. thru Dec calves. The McCans will discuss the management of the ranch and show you some of the cattle. They may also show you some of their polo ponies which they raise. They have two polo fields on the ranch. Also, Mr. Thad Swan will discuss their wildlife management program. This is strictly a practical cattle and wildlife ranch. We will first stop at the McFadden Mercantile Store, their honest-to-God country ranch store. You can look at the store, go to the bathroom and shop (I doubt if they will take Visa or Am. Exp.). We will then meet and listen to the McCans, drive around some of the ranch, listen to Mr. Thad Swan discuss wildlife management and then come back to the store for a ranch B-B-Q. During the noon meal about 18 ranch employees including 6 cowboys will eat with us. During round up, they can saddle 18 employees, but usually 6 cowboys take care of the cattle. They do no farming except to plant wheat for winter grazing.

Addresses of our hosts and helpers not listed in the program!

We listed the addresses of our national officers and speakers in this program plus the addresses of our supporters of this convention that gave us things to give to you. Also our ranch hosts are listed below plus others that helped us put this tour and convention on this year. A nice thank you letter would be a pleasant surprise. Thanks. TAMU Saddle and Sirloin Club.

Welder Wildlife Refuge. Dr. Jim Teer, Mgr. N Hwy. 77, Sinton, TX 78837 512/364-2643. Lynn Drag, Assistant. Others at WW R.

King Ranch Inc. Ms. Judy Gilbert, Director of Tourism, King Ranch, Kingsville, TX. 78636. Mr. Tommy Haglein, Cattle and Feedlot Mgr. We will have 8 tour guides. Others at KR.

**BUS RESOURCE PERSONS:** Dr. Joe Paschal, Liv. Ext. Spec.; Dr. Wayne Hanselka, Range Specialist.; Mr. Bill Carson, Ext. Assist. These three will join our busses at the McFadden Ranch and stay with us through Friday. TAMU Res. & Ext. Center., Rt. 2, P. O. Box 589, Corpus Christi, TX 78410.

Mr. David Epright, V. P. Magnum Cattle Co. P.O.Box 18, Bebe, TX 78603

REGISTRATION AS OF MONDAY NIGHT. THANKS FOR BEING SO PROMPT IN
LETTING US KNOW ABOUT CHANGES AND CANCELATIONS. HOPE YOU ENJOY THE
TOUR, SHOW, RODEO, SEMINARS AND DANCE. PLEASE ASK AN AGGIE HOST
IF YOU NEED ASSISTANCE. HAVE A GREAT CONVENTION!

<table>
<thead>
<tr>
<th>University</th>
<th>Tour</th>
<th>Convention</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angelo St.</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>Cal Poly</td>
<td>5</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Clemson</td>
<td>8</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>Cloud Co C. C.</td>
<td>4</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Col. State</td>
<td>14</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>Cornell</td>
<td>8</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>Del. Valley Pa</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Ft. Hays S</td>
<td>18</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Kansas State</td>
<td>23</td>
<td></td>
<td>23</td>
</tr>
<tr>
<td>Iowa State</td>
<td>8</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>La. Tech.</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Miss. State</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Mich. State</td>
<td>2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>N C S U</td>
<td>27</td>
<td></td>
<td>27</td>
</tr>
<tr>
<td>N Dak. State</td>
<td>2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Ohio State</td>
<td>17</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>Panhandle St</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Penn. State</td>
<td>18</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Purdue</td>
<td>11</td>
<td>16</td>
<td>27</td>
</tr>
<tr>
<td>Sam. Houston</td>
<td>6</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>So. Ill. Carb.</td>
<td>8</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>S. Utah U.</td>
<td>4</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>W. Miss State</td>
<td>12</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Tarelton</td>
<td>5</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Texas A&amp;M</td>
<td>16</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>Texas Tech</td>
<td>2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>U. Conn.</td>
<td>10</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>U. Ga.</td>
<td></td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>U. Illinois</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>U. Kentucky</td>
<td>30</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>U. Missouri</td>
<td>27</td>
<td></td>
<td>27</td>
</tr>
<tr>
<td>U. Nebraska</td>
<td>10</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Wisc. Platville</td>
<td>5</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Wisc. River Pa.</td>
<td>5</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Va. Tech.</td>
<td>11</td>
<td>4</td>
<td>15</td>
</tr>
<tr>
<td>West. Kentucky</td>
<td>27</td>
<td></td>
<td>27</td>
</tr>
<tr>
<td>So. Dakota St.</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>U. Wyoming</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Middle Tenn.</td>
<td>15</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>U. Maryland</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Louisiana St.</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Northwest Col.</td>
<td>2</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>U. Washington</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Utah Stat</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Oregon State</td>
<td>5</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>
This is a summary of the Scholarship Program sponsored by the Houston Livestock Show and Rodeo. They also finance large research grants to all colleges with agricultural programs.

SCHOLARSHIP PROGRAM

The Houston Livestock Show and Rodeo is dedicated to helping students improve their futures through an educational foundation. College, for many bright students, is only a dream ... yet one made possible through the Show’s scholarship program.

More than 30 years ago, the Houston Livestock Show and Rodeo presented its first scholarship - a $2,000 award to Houstonian Ben Dickson. Since 1957, more than 2,700 students have received Show scholarships, at a cost exceeding $21 million. This school year alone, more than 1,000 students will be receiving some form of Show-sponsored educational assistance.

Six types of scholarships are awarded as part of the Show’s overall program - 4-H and FFA, Go Texan, school art, metropolitan, endowment and dedicated endowment.

The four-year 4-H and FFA awards, each with an $8,000 price tag, are given each year to 50 members of the Texas 4-H and 50 members of the Texas FFA. These students are not chosen by the Show, but are selected by representatives of the Texas 4-H Development Foundation and the vocational division of the Texas Education Agency. Currently, there are 380 four-year scholarship commitments of this type. These students are majoring in some form of agriculture or life sciences at a Texas college or university.

Go Texan scholarships, awarded for one year at a cost of $2,000 each, are given to students living in 58 of the 59 counties surrounding Houston. These counties are responsible for helping to publicize and boost awareness of the annual Show. And, as a special incentive, one lucky county receiving a special sweepstakes prize is given a four-year, $8,000 scholarship award for one of its students.

The students must attend a Texas college or university and may pursue any major leading to a bachelor’s degree.

Youngsters with artistic talent can vie for a scholarship through the school art program's donations. The program offers three types of scholarships: an $8,000 award, $2,000 awards and awards given to attend the Cowboy Artists of America Museum Summer Workshop held in Kerrville, Texas.

Students closer to home are eligible to apply for scholarships as part of the Show’s new metropolitan scholarship program. Beginning in the spring of 1989, the Show awarded a total of 24 four-year, $8,000 scholarships and the selected students represented 21 public school districts.

The current metropolitan program now awarding 42 scholarships annually encompasses 21 school districts - Houston Independent School District, along with the school districts of Aldine, Alief, Channelview, Clear Creek, Crosby, Cypress-Fairbanks, Deer Park, Galena Park, Goose Creek, Huffman, Humble, Katy, Klein, La Porte, North Forest, Pasadena, Sheldon, Spring, Spring Branch and Tomball. Many students will be supported on four-year, $8,000 scholarships by this program.

The metropolitan scholarship recipients are selected by a designated committee independent of the Houston Livestock Show and Rodeo. These students are required to obtain a bachelor's degree at a Texas college or university.

Endowment money donated by the Show to 13 Texas universities enables additional scholarship awards. Current agricultural majors are able to continue their education either on semester or yearly terms through the interest money provided by these endowments. During the 1990-91 school year, more than 500 students will benefit from this type of donation.

A new form of educational assistance was initiated in 1987 — the dedicated scholarship endowment program. This program allows individuals and corporations to set up a dedicated endowment fund with the Show for $1,000 or more.

The Show then distributes investment earnings through annual scholarships. Presently, there are two dedicated scholarship endowments - the Maxine Pickett Memorial Scholarship Fund and the Ruth Hildebrand Memorial Fund.

Finally, 20 assistantships provided to graduate students at state universities, two doctoral fellowships at Texas A&M University, one student pursuing a doctor of veterinary medicine degree at Texas A&M University, one junior college transfer and four students enrolled in the Texas Christian University Ranch Management program round out the Show’s educational commitments.

Through the Houston Livestock Show and Rodeo’s generous scholarship program, a college education is no longer only a dream; it can become a reality.
Awards: Four Grammys and two Country Music Association awards

Hit Singles: “An American Family,” “No Matter How High,” “American Made,” “Bobby Sue,” “Elvira” and “Beyond Those Years.”

Special Spotlight: This group has been described as a “gospel harmonizing quartet, singing country music with a rock ‘n’ roll band.”

Starting out as a gospel group, the musicians became a country/pop group in 1977 and now hold more than a dozen number one country singles, nine gold albums and two platinum albums.

Houston Rodeo Appearance: The Oak Ridge Boys make their 12th-year appearance at the Houston Rodeo in 1991.

The Oak Ridge Boys
Saturday, March 2
Evening Performance

Awards: Songwriter of the Year and Band of the Year awards

Hit Singles: “When She Holds Me,” “Changin’ Partners,” “She Used to Be Somebody’s Baby,” “Houston (Means I’m One Day Closer to You)” and “All the Gold in California.”

Special Spotlight: Rudy Gatlin sums up the group’s purpose in his comment, “We all want to cut the best records we can and give performances, and touch people deep down... get a hold of their souls.” The brothers’ generosity was evident when they donated $10,000 to the Show’s scholarship fund in 1982.

Houston Rodeo Appearance: Larry Gatlin & The Gatlin Brothers make their 10th appearance at this year’s Houston Rodeo, with eight of those performances consecutive.
Laura Kleweno singing "Happy Birthday" to Dr. Gould.

On Dr. Gould's birthday a clown showed up with presents and sang "Happy Birthday".
After the meeting, everyone decided to go trick-or-treating. The Mall was one stop where we visited Stonepost Buckles. Other stops included Kevin Huser's (advisor), Dr. Gould's (advisor), and the Sale Barn. 

This year Halloween fell on a Wednesday, so many B & B members dressed up for the occasion.

Anita and Jamie goofing around at the Sale Barn.
THE END
OF
ANOTHER
SUCCESSFUL
YEAR