

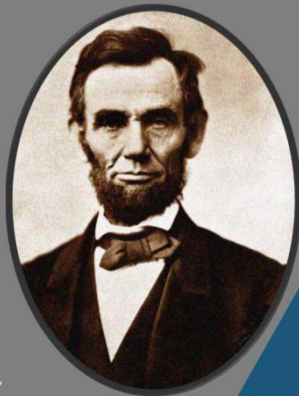
# TEXAS A&M AGRI LIFE EXTENSION

*Helping Texans Better Their Lives*

1

## The Land Grant University

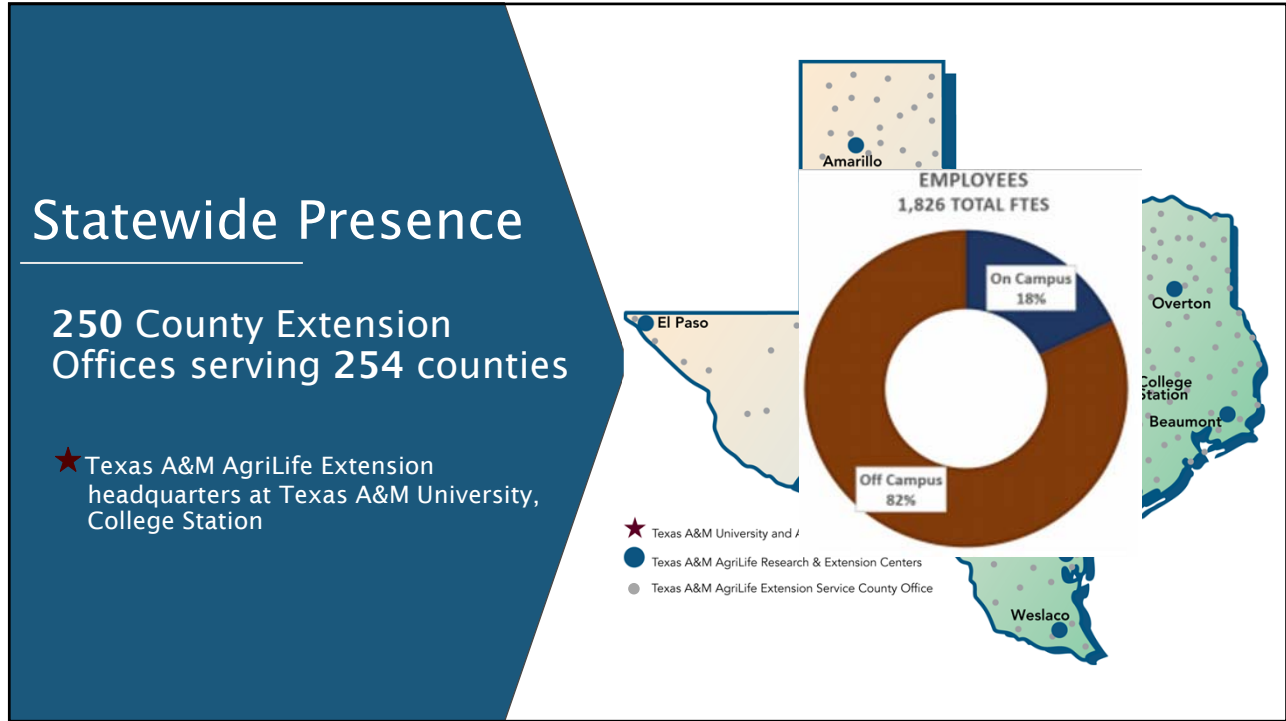
*"The land grant university system is being built on behalf of the people, who have invested in these public universities their hopes, their support, and their confidence."*



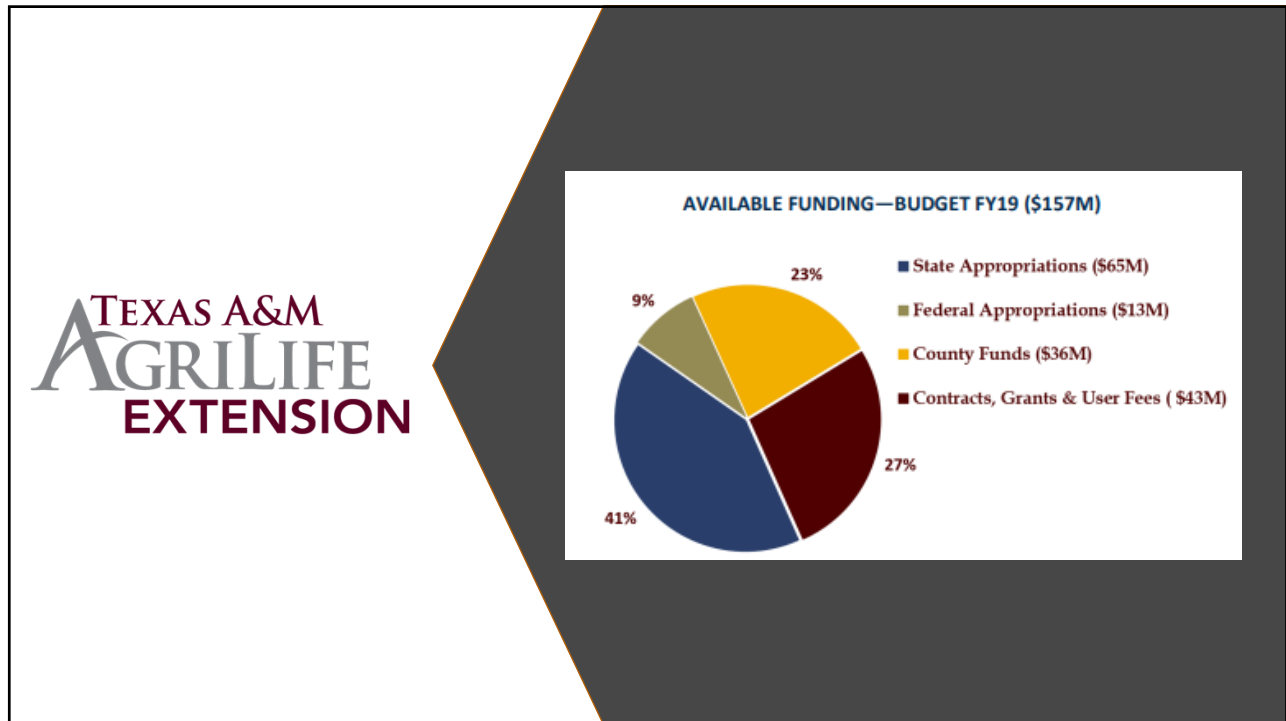
- Abraham Lincoln, upon signing the Morrill Act, July 2, 1862

- Morrill Act of 1862 established land grant universities to "educate citizens in agriculture, home economics, mechanical arts, and other practical professions."
- There are over 100 recognized land grant institutions in the United States and territories.
- Three fold mission of **Teaching**, **Research** and **Extension**.

2



3



4

# OUR MISSION

*Helping Texans Better Their Lives*

Improving Agriculture & Food Production

Enriching Our Youth

Encouraging Healthy Life Choices

Protecting Our Environment

Strengthening Our Communities




5

# IMPROVING

Agriculture & Food Production

“I like to work with AgriLife Extension because they usually save me \$20K or tell me how to make \$20K more!” ~ Harold Grau



**SUSTAINING AGRICULTURAL PRODUCTION THROUGH EDUCATION**

Extending Knowledge | Providing Solutions

Texas A&M AgriLife Extension is at the forefront of developing educational programs in response to emerging issues in Texas agriculture.

In 2017, AgriLife Extension held

16,500

events, planning meetings, and workshops for producers, achieving more than

3 million

educational and other contacts.

Extension certification training and continuing education supported

65,732

jobs in Texas agriculture, with an annual wage base of

\$965.3 million

**ECONOMIC IMPACTS**

\$1.3

BILLION

impact of Farm Bill education and decisions

\$105

MILLION

impact in crop, floriculture, and nursery production

\$43

MILLION

impact in livestock and dairy production

\$39

MILLION

impact of financial risk management education

\$328

MILLION

from boll weevil eradication efforts

3,236

NEW JOBS

in agricultural support and retail-related sectors

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AgriLifeExtension.tamu.edu/impacts

6

# IMPROVING

## Agriculture & Food Production

“When the 2018 Farm Bill was enacted, I was lost. Thanks to the Help of Extension Agent Scott Strawn and the Decision Aid, I am still in operation today.” ~ Duane Pishgoda



### SUPPORTING CROP PRODUCTION THROUGH EDUCATION

Extending Knowledge | Providing Solutions

Rising input costs and production-related challenges such as droughts, disease, invasive species, and other pests have placed serious stress on Texas farmers. Texas A&M AgriLife Extension addressed these issues through:

## 5,600

EDUCATIONAL EVENTS AND WORKSHOPS FOR PRODUCERS IN 2017

achieving more than

## 1.3 million

EDUCATIONAL AND OTHER CONTACTS

## 65,514

EXTENSION CERTIFICATION TRAINING AND CONTINUING EDUCATION SUPPORTED

jobs in Texas crop production, with an annual wage base of \$957.6 million

#### ECONOMIC IMPACTS

- ## \$1.3

BILLION

Impact of Farm Bill education and decisions
- ## \$328

MILLION

from boll weevil eradication efforts
- ## \$105

MILLION

Impact in crop, floriculture, and nursery production
- ## \$39

MILLION

Impact of financial risk management education
- ## 3,236

NEW JOBS

in agricultural support and retail-related sectors

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7



**PATH TO THE PLATE**



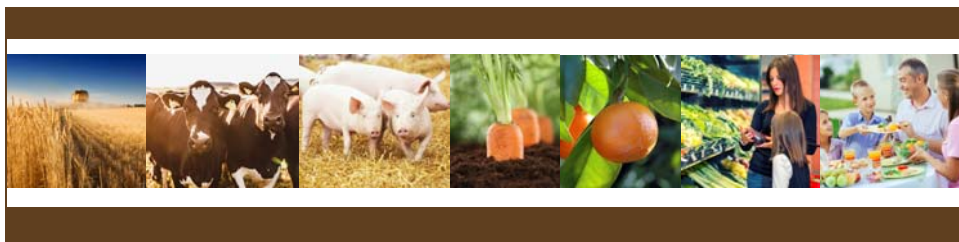
## Agriculture and Health: Making the Connection



8



With safe food, improved health, thriving agriculture and complete understanding, Texans can live healthier lives through the Path to the Plate.




9

The screenshot shows the website pathtotheplate.tamu.edu. The header is dark red with the Path to the Plate logo, a search bar, and social media icons for Facebook, Instagram, Twitter, and YouTube. The main content area features a large image of a salmon and vegetable dish. Overlaid on this image is the text "Making the connection between agriculture and health" in white. Below this text are two buttons: "Latest Articles" (orange) and "Become Informed" (dark red). Below the main image, there is a white section with the heading "Having trouble figuring out who you can trust online?" and a paragraph of text starting with "You are not alone! Consumers must sift through thousands of search results to find the information they seek. For this reason, digital misinformation has become so pervasive that the World Economic


10

# Texas 4-H

Enriching Our Youth




According to a 10-year longitudinal study conducted by the Institute for Applied Research in Youth Development at Tufts University, 4-H youth are:




4X

More likely to contribute to their communities





2X

More likely to participate in science programs outside of school time



2X


More likely to make healthier choices

11

# Texas 4-H

Enriching Our Youth



496,849

Total 4-H youth

20,072

Adult volunteers

7,640


Youth volunteers

What grades are Texas 4-H members in?	K-2	31%
	3-5	44%
	6-8	13%
	9-12	12%
Where do Texas 4-H members live?	Rural	29%
	Towns/Suburbs	32%
	Cities	39%
What ethnicities are Texas 4-H members?	Hispanic	54%
	Not Hispanic	46%
	White	86%
	African American	9%
	Other	5%
Who are Texas 4-H members?	Male	49%
	Female	51%

12

# Texas 4-H

## Enriching Our Youth



<p style="text-align: center;"><b>Agriculture &amp; Livestock</b></p> <p style="font-size: small;">Texas 4-H Agriculture &amp; Animal projects teach responsibility through caring for animals and strive to provide 4-H members the opportunity to develop and practice advanced leadership skills to become advocates for agriculture. These projects also prepare and provide opportunities for youth to develop a heightened awareness of career opportunities in agriculture.</p>	<p style="font-size: 2em; font-weight: bold; color: #006d4c;">49,396</p> <p style="font-size: small;">youth involved in the project area</p>
<p style="text-align: center;"><b>Citizenship &amp; Leadership</b></p> <p style="font-size: small;">Texas 4-H has been building leaders for countless generations by giving them safe environments and many opportunities to practice their skills. Through each 4-H project, youth are learning and applying leadership skills that will also be useful in adulthood.</p>	<p style="font-size: 2em; font-weight: bold; color: #8b0000;">164,172</p> <p style="font-size: small;">youth involved in the project area</p>
<p style="text-align: center;"><b>Family &amp; Community Health</b></p> <p style="font-size: small;">Texas 4-H is teaching youth about the importance of healthy eating and physical activity. Through this program area, young people develop healthy physical, social and emotional behaviors and life skills, and as a result increase their ability to demonstrate positive contributions to their families, schools and communities.</p>	<p style="font-size: 2em; font-weight: bold; color: #006d4c;">187,705</p> <p style="font-size: small;">youth involved in the project area</p>
<p style="text-align: center;"><b>Natural Resources</b></p> <p style="font-size: small;">The Texas 4-H Program offers diverse projects and activities involving exploring and experiencing the vast natural resources within our state. Outdoor play increases fitness levels and builds active and healthy bodies. Texas 4-H offers projects and activities that engage youth in outdoor settings as they learn outdoor living skills and conservation.</p>	<p style="font-size: 2em; font-weight: bold; color: #ff8c00;">84,166</p> <p style="font-size: small;">youth involved in the project area</p>
<p style="text-align: center;"><b>Science, Technology, Engineering, &amp; Math</b></p> <p style="font-size: small;">Texas 4-H STEM projects encourage youth to be critical thinkers and team players. They also instill a passion for science and science-related careers in today's workforce. 4-H STEM projects combine the strengths of experiential, hands-on education and inquiry-based science learning with a positive youth development framework that addresses the developmental and educational needs of young people.</p>	<p style="font-size: 2em; font-weight: bold; color: #006d4c;">11,252</p> <p style="font-size: small;">youth involved in the project area</p>

13

# Texas 4-H

## Enriching Our Youth





**"Also, being an ambassador has provided me some unique opportunities like serving as a Celebrity Chef at the State Fair of Texas. Being on stage, demonstrating recipes and taking questions from the crowds at the State Fair was an unforgettable experience. I highly recommend the Healthy Texas Youth Ambassador program to my fellow 4-Hers!"**  
 - Abigail Williams, HTYA Ambassador

**"My 4-H mountain-climbing experience has come to an end, but I know what it feels like to reach the "mountaintop", and I will not settle for anything less for my future. I owe my identity to my involvement in 4-H and this Ambassador program. It has given me more learning experiences and leadership opportunities in the last ten years than most will experience in a lifetime. I am thankful for the encouragement that came from adult leadership. Because of that encouragement I will continue to "Climb every mountain, ford every stream, follow every rainbow, 'til I find my dream."**

- Emily Brite, Livestock Ambassador 2017-2018



14

## Service to the People of Texas

In addition to educational outreach, AgriLife Extension provides **services** to the public that would otherwise likely not be fulfilled

“filling in the gaps”  
“solutions to problems”  
“expert assistance”  
“partnerships”



15

## Poultry Science Service to Youth

- Major livestock show broilers and turkeys
  - 60,000+ birds
- County livestock show broilers
  - 140,000+ birds
- Fertile eggs for Egg to Chick Program
- FFA and 4-H judging contests
- 4-H workshops
- Show superintendents



16



# Impact

## Email quote from youth livestock show parent:

“We are so grateful for the workshop, it has made ALL the difference. There is a lot of misinformation out there, and it is wonderful to have such a knowledgeable and trusted source. Thank you and everyone at A&M for all that you do! You all are making a tremendous difference in so many young peoples lives.”



Grand and Reserve Champion at local show  
7<sup>th</sup> and 26<sup>th</sup> cockerels at HLSR



17

# Encouraging Healthy Life Choices



## DIABETES PROGRAMS TEACH HEALTHY LIFESTYLE CHANGES

Extending Knowledge | Providing Solutions



Diabetes is not curable, but it is manageable. The Texas A&M AgriLife Extension Service teaches people how to effectively prevent or manage diabetes.

### AGRI LIFE EXTENSION DIABETES PROGRAMS



#### DO WELL, BE WELL WITH DIABETES

Low-cost class series on self-care and nutrition, delivered in five sessions



#### COOKING WELL WITH DIABETES

Reinforces practical nutritional applications of Do Well, Be Well with Diabetes



#### ¡HOLA! ¿SI, YO PUEDO CONTROLAR MI DIABETES!

Culturally relevant diabetes program targeting Hispanics/Latinos



#### WISDOM, POWER, CONTROL

Culturally relevant diabetes program targeting African Americans

Proper self-management of diabetes enables people to reduce their health care costs close to non-diabetes levels.



AgriLife Extension diabetes programs achieved more than **109,000** educational and other contacts in 2018

These contacts resulted in potential lifetime **\$16 MILLION** health care cost savings and increased productivity of

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18

**ATM HEALTHY TEXAS**

**TEXAS A&M AGRILIFE EXTENSION**

*growing a* **HEALTHY TEXAS**

Texas A&M AgriLife Extension Service and Texas A&M University Health Science Center are leading a comprehensive effort to reduce preventable diseases and their consequences in the Lone Star State.

19

## Healthy Texas

### GROWING THE PROGRAM

- Partnership**  
The Texas State Legislature, Texas A&M System, Texas A&M AgriLife Extension, and Texas A&M Health Sciences Center
- Prevention**  
Promotes preventative health at the most local level of the community.
- Programs**  
Impacting the health of generations to come

**NORTH TEXAS EXPANSION**

- Carson County
- Hutchinson County
- Moore County
- Potter County
- Sherman County

**EAST TEXAS EXPANSION**

- Angelina County
- Collin County
- Dallas County
- Denton County
- Houston County
- Nacogdoches County
- San Augustine County
- Shelby County
- Tarrant County
- Trinity County

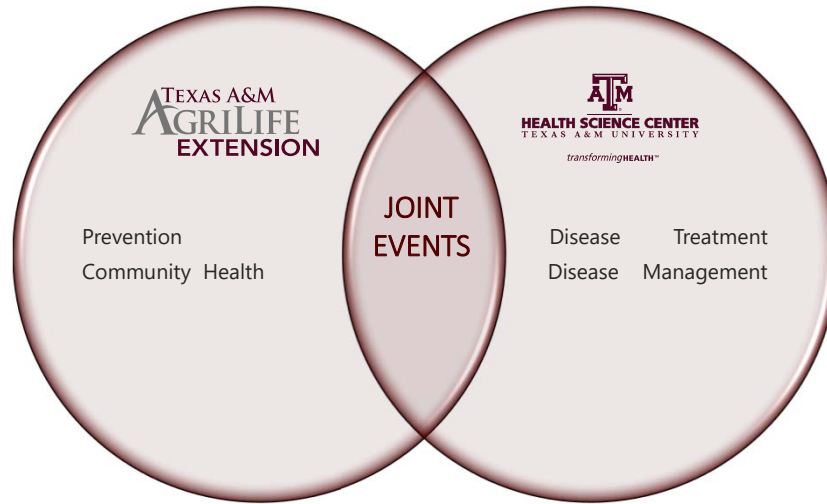
**HEALTHY SOUTH TEXAS COUNTIES**

- Aransas County
- Bee County
- Brazoria County
- Brooks County
- Calhoun County
- Cameron County
- Dewitt County
- Duval County
- Goliad County
- Hidalgo County
- Jackson County
- Jim Hogg County
- Jim Wells County
- Karnes County
- Kenedy County
- Kieberg County
- Lavaca County
- Live Oak County
- Matagorda County
- Nueces County
- Refugio County
- San Patricio County
- Starr County
- Victoria County
- Webb County
- Willacy County
- Zapata County

20

# Combining Expertise

Preventative health at the local level



21

## VISIBILITY

Local and state-wide

- System engagement
- Engagement with local elected officials
- Engagement with state elected officials
- Engagement with federal elected officials
- Credibility with local and state-wide healthcare partners



22

# Protecting Our Environment

## PROTECTING THE STATE'S NATURAL RESOURCES

Extending Knowledge | Providing Solutions

The Texas A&M AgriLife Extension Service delivers a wide range of research-based educational resources and programs to help protect Texas' natural resources. AgriLife Extension held:

### 4,378

EVENTS, PLANNING MEETINGS, AND WORKSHOPS ON NATURAL RESOURCES IN 2017

achieving more than

### 475,000

EDUCATIONAL AND OTHER CONTACTS

The Texas 4-H Youth Development Program engaged

### 82,144

YOUTH IN NATURAL RESOURCE AND ENVIRONMENTAL EDUCATION ACTIVITIES.

### ECONOMIC IMPACTS

**\$12.7**

MILLION

impact of reduction in property damages from feral hogs and improving quail biology

**\$7.6**

MILLION

impact of water conservation and protection programs

**\$40**

MILLION

impact of ecosystem management programs

**\$10.5**

MILLION

value of volunteer service from 11,600 Texas Master Naturalists

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23

# Strengthening Our Communities

## SUPPORTING TEXAS JOBS THROUGH CONTINUING EDUCATION

Extending Knowledge | Providing Solutions

The Texas A&M AgriLife Extension Service delivers high-quality certification training and continuing education to maintain minimum competency standards among employees in certain occupations. Face-to-face and online courses enable Texans to obtain or keep a job, start a business, or stay in business, providing important services to Texas communities.

THROUGH ITS WORKFORCE-RELATED CONTINUING EDUCATION AND CERTIFICATION PROGRAMS, AGRILIFE EXTENSION SUPPORTS

### 80,707

JOBS IN TEXAS

WITH AN ESTIMATED ANNUAL WAGE BASE OF

# \$1.4 billion

### ECONOMIC IMPACTS

65,417 JOBS

➔

**\$955.1**

MILLION IN WAGES

Impact of pesticide applicators

1,934 JOBS

➔

**\$41.7**

MILLION IN WAGES

Impact of child care providers

721 JOBS

➔

**\$47.7**

MILLION IN WAGES

Impact of county government employees

8,854 JOBS

➔

**\$214.9**

MILLION IN WAGES

Impact of food service providers

2,028 JOBS

➔

**\$135.9**

MILLION IN WAGES

Impact of tax practitioners

1,753 JOBS

➔

**\$54.1**

MILLION IN WAGES

Impact of cotton ginning, feedyard, and water-related occupations

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24

12

# REBUILD TEXAS

The Governor's Commission to Rebuild Texas

"I knew from the beginning of our efforts that we needed points of contact embedded in those impacted communities, a team that could be our eyes and ears for what was needed for recovery, AgriLife Extension already has staff serving every county in this state, and I knew they would be our best tool for both monitoring recovery and ensuring issues don't go unresolved." ~ Chancellor John Sharp

25

## Resiliency Educational Outreach



- Partnering with Philanthropic Organizations & Long Term Recovery Committees
- Mental Health First Aid
- Recovery and Preparedness Workshops
  - CHARM & Green Infrastructure
  - Agriculture Producers

26

**250**  
offices  
serving every  
county  
in Texas

**22**  
million direct  
teaching  
contacts

**91,000**  
volunteers  
with 3.6  
million  
service hours


**496,000**  
Texas  
4-H  
participants


*agrilifeextension.tamu.edu*


TEXAS A&M  
**AGRI LIFE**  
EXTENSION

27

## How to find us:

 [agrilifeextension.tamu.edu](http://agrilifeextension.tamu.edu)

 [@agrilifeextension](https://www.facebook.com/agrilifeextension)

 [@txextension](https://twitter.com/txextension)

The screenshot shows the website's header with the logo and navigation links (HOME, BROWSE, NEWS, ABOUT, CONTACT). A main banner features a group photo of staff and a headline: "Bringing health, wellness through family, community outreach". Below this is a "Browse Featured Solutions" section with categories like "Online Courses & Job Training", "Animals", "Crops & Soil", "Livestock & Business", "Facilities", "Farmers & Ranching for Profit", "Fisheries & Pond Management", "Gardening & Landscaping", and "Health & Nutrition". A "HOT TOPICS" section on the right lists recent articles such as "6th Annual Cattle Lake Paddling Festival" and "Raising a Successful 1 Year Old Government Pigeon".

28