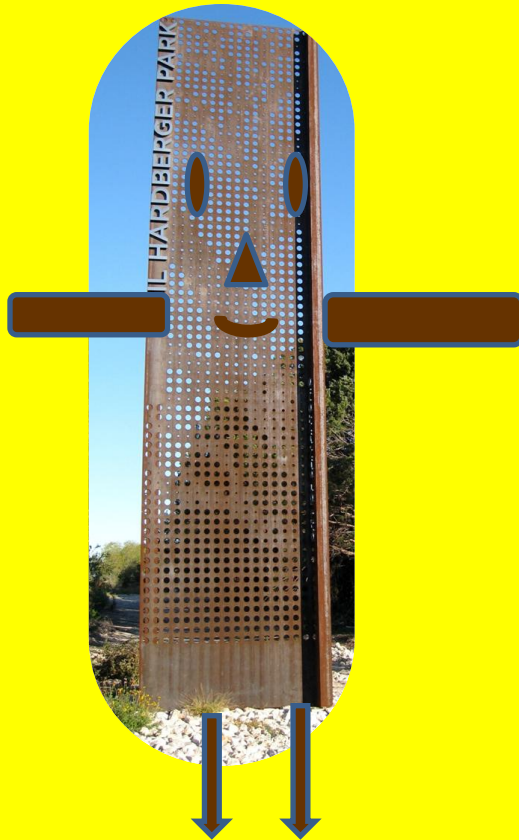


# Hardy's Nature Guide

## for Young Naturalists



I'm Hardy—  
your Phil  
Hardberger  
Park guide to  
adventure  
and learning

# Write Your Own Guide!



- Here's how it works:
- Learn about the park.
- Read the pictures!

# What Is Phil Hardberger Park All About?

- Learn about all the s and s that

plant

animal

live in the .

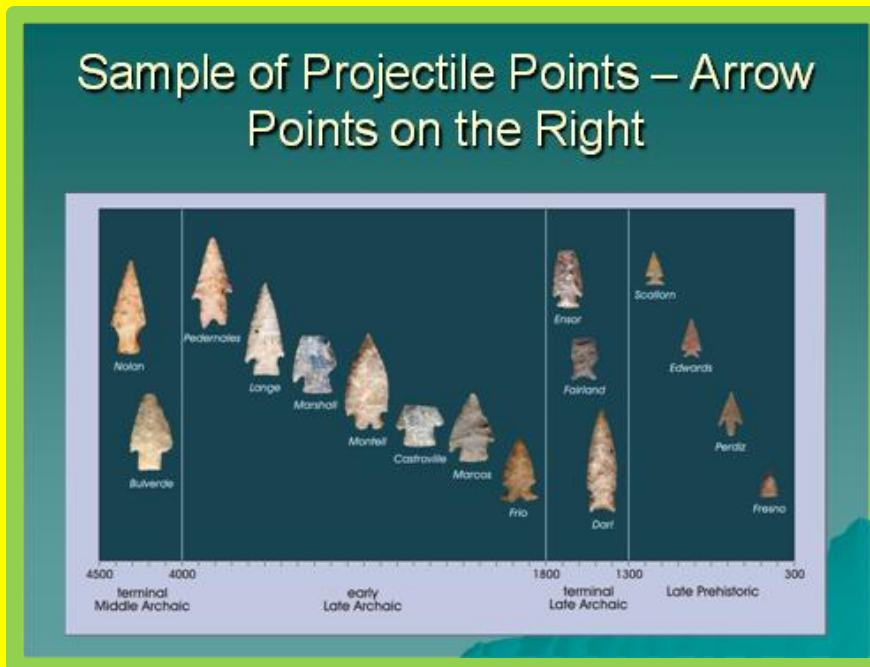
park

© Lora Ruder



# Who lived in the park?

- Many thousands of years ago, people lived in San Antonio.



• *Dr. Steve Tomka, Director of the Archaeological Research Center at the University of Texas at San Antonio,*

# Early Humans in San Antonio

- We find arrow heads and darts from long ago.



People

used



rocks

to make the



s.

arrow head

# The Voelcker Farm

- Before there was a Voelcker had a dairy



, Max and Minnie  
▪



farm



- Rendering courtesy of Phil Hardberger Park Master Plan as reproduced in
- <http://blog.mysanantonio.com/jeffcoyle/2011/03/volunteers-to-restore-historic-dairy-barn-at-phil-hardberger-park/>

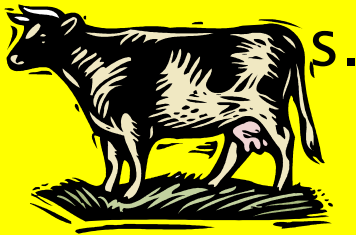
# The Voelcker Farm

- They



ed

their



cow

milk

- Here R some things U find on a dairy :



# Ashe Juniper

- There R lots of



Ashe Juniper



s

tree

- in the



park



# Ashe Juniper

- The  is rough.

bark



The  R thin and green.  
leaves



# Savanna

- The



used to B



.

- 



is



grass

savanna

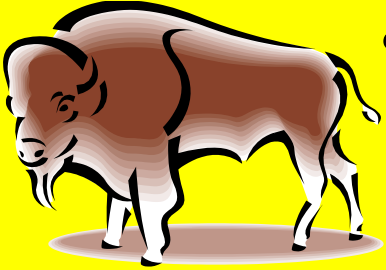


with just a few






s.

tree

# Savanna

-  ate the  .  burned the small  
Bison grass fire

 s. Then  s came and ate the  to the roots  
and man put out  .

- The  died and the  took over.

# Snags

- A is a dead standing



snag



.

# Snags

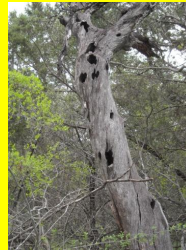
- 



s make



s in



s.



live in



s too.

# Texas Persimmon

- The



has smooth



and

- small oval .



# Texas Persimmon

- You can make from



jelly



persimmon

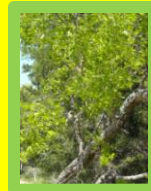


fruit



# Other Small Trees





- Kidneywood is a small  in the .



- Other trees are Gum Bumelia, Toothache Tree, Wafer ash and Eve's Necklace.



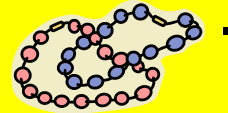
# Other Small Trees

- People used to chew the  of the Toothache  to stop  pain.
- They chewed the sap of the Gum Bumelia like .

tooth

gum

- The s of Eve's seed Necklace look like a



necklace

# Wildlife of the Park

- Ringtails are active at







night

- Ringtail (*Bassaricus*) from USDA FS



# Wildlife of the Park

- Rock  s like the    .

squirrels

wet

creek

bed

-  s and  s use the  as a  .

raccoon

coyote

road

# Birds of the Park

What R some good places 2 look 4



bird

s ?



Roadrunner



Golden-crowned Kinglet



Sage Thrasher



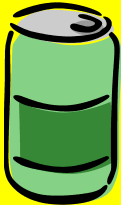

Field Sparrow

- Photos courtesy of Lora Render

# Birds of the Park

Cedar waxwings roost in  s.

Roadrunners run on the  .

U  C vultures flying in the  .

can

sky

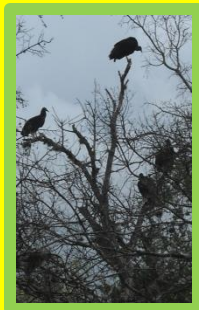


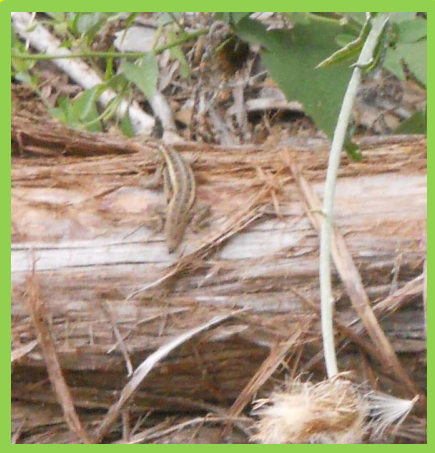
Photo courtesy of Barbara Schmidt

# Reptiles of the Park

- Reptiles  hide.

- They blend in with their surroundings.

Rosebelly Lizard



# Reptiles of the Park

- s, s, and s are reptiles that

turtle

snake

lizard

live in the





# Wildflowers of the Park

- Y R wildflowers important?



Horsemint



Bladderpod



Greenthread



Prairie Verbena



Gaillardia



2 Leaved Senna



# Wildflowers of the Park

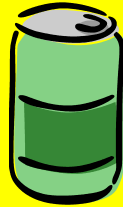


s eat the s of s.



flower

- Some s B used as .



medicine

# Exotic Invasive Plants

- Some  s do  come from  .

not

Texas




KR Bluestem



Giant Mustard

# Exotic Invasive Plants

- We call these  s  
“invaders”.

- They take over and



s



grow.

not

# Prickly Pear



# Prickly Pear

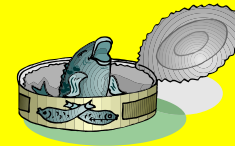
- Prickly s have called s.
- pear fruit tuna
- U make from the .
- Prickly s have spines.



pear



fruit



tuna



make



jelly

from the



# Tasajillo

- Tasajillo is called the



Christmas



Cactus





# Tasajillo

- It is also called the



pencil



wrens



in the Tasajillo.




# Yucca Moth

- The Yucca Moth and the Yucca need each other.






# Yucca Moth

- The moth lays its  s in the yucca

eggs



- The Yucca needs the moth to pollinate its  s.

# Butterflies and Bugs



Checkered Skipper



Sleepy Orange



Checkered white



tiger Swallowtail



Red Admiral

# Butterflies and Bugs



s love all the wild s and .



Butterfly



s grow into s.



Caterpillar



# Grasses



Texas wintergrass



Bushy Bluestem



Australian Bluestem



Little Barley



Perennial Ryegrass



Eastern Gamagrass

# Grasses

There are lots of  s

in the  .

- There are bushy  s

- and bristly  s and

- prickly  s.

# Your Phil Hardberger Park!

- What do U like about the



?

- Draw a picture of something in the



:

# Useful Websites

- <http://www.flyingwild.org/>
- <http://www.wildflower.org/plants/>
- <http://sfr.psu.edu/youth/sftrc/lesson-plans/forestry/k-5>
- <http://www.projectwild.org/growingupwild.htm>
- <http://www.thebutterflysite.com/texas-butterflies.shtml>
- <http://www.discoverlife.org/mp/20q?guide=Caterpillars>
- <http://www.sanaturalRas.org/butterflyid1.htm>
- <http://www.npot.org/>
- <http://essmextension.tamu.edu/plants/>
- <http://www.austinreptileservice.net/lizards.html>
- <http://birdingbyyear.com/>
- [http://www.saws.org/education/h2o\\_university/index.cfm](http://www.saws.org/education/h2o_university/index.cfm)

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