

JACKSON

SCHOOL OF GEOSCIENCES

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Attaching images to database records

ANN MOLINEUX (1) AND TOMISLAV URBAN (2)

(1)NON-VERTEBRATE PALEONTOLOGY LAB,

JACKSON SCHOOL OF GEOSCIENCES MUSEUM COLLECTIONS-

(2) TEXAS ADVANCED COMPUTING CENTER

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Ann Molineux, Curator
and Collection Manager



Digital goal

Run all curatorial tasks:
accessions, permits, loans,
conservation.
Use as research tool to
expand use of collection

Database w. linked media

EXPORT

SHARE

4/9/2014

Link to spatial
management system

Export with Darwin Core

IPT
(Integrated Publishing
Toolkit)

Dynamic Web Access

GBIF

PaleoPortal

BISON

iDigBio

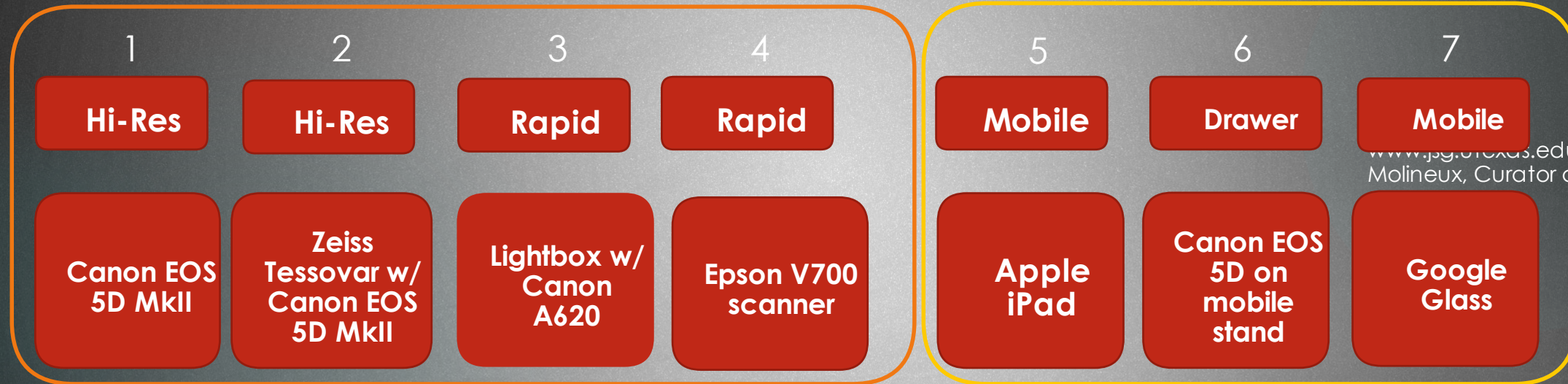
NEW DATA & UPDATES



Digital imagery

Specimens to camera

Camera to specimens



4 / 9 / 2014

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STORAGE

Attaching Hi-Res media

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PaleoCentral

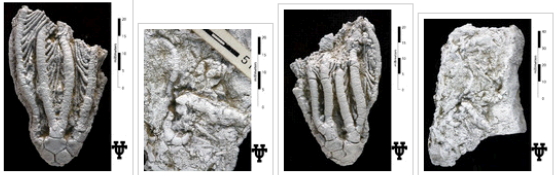
HOME MAP RECORDS REFERENCES TOOLS LOGIN

Types Collection

[Records](#) » TX 1121.66 [« prev record](#) [next record »](#)

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Scientific Name ⓘ <i>Eopinnacrinus pinnulatus</i> Brower & Veinus n.gen., n | Locality Verbal ⓘ West Branch Sycamore Creek, Daube Ranch, Johnston Co., Oklahoma |
| Common Name ⓘ crinoid | Geographic Location ⓘ Johnston County, Oklahoma, USA |
| Taxonomic Hierarchy ⓘ Phylum: Echinodermata Class: Crinoidea Order: Family: | Geologic Age ⓘ Era: Paleozoic Period: Ordovician Epoch: Late Age: Katian (Mohawkian) |
| Collector ⓘ Collector: Graffham, A. Collection Date: | Stratigraphic Position ⓘ Group: Simpson Formation: Bromide Member: Mountain Lake |
| Publication ⓘ Brower & Veinus. 1982. Sprinkle, J. T (Ed.), University of Kansas Paleontological contributions, Monograph 1, pl. 11 fig. 3, 7, fig. 42a, fig. 42b, p. 141. | Storage Location ⓘ PRC122, Types, 19, 50 |

Images



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Eopinnacrinus pinnulatus Brower & Veinus n.gen., n



view zoomable image

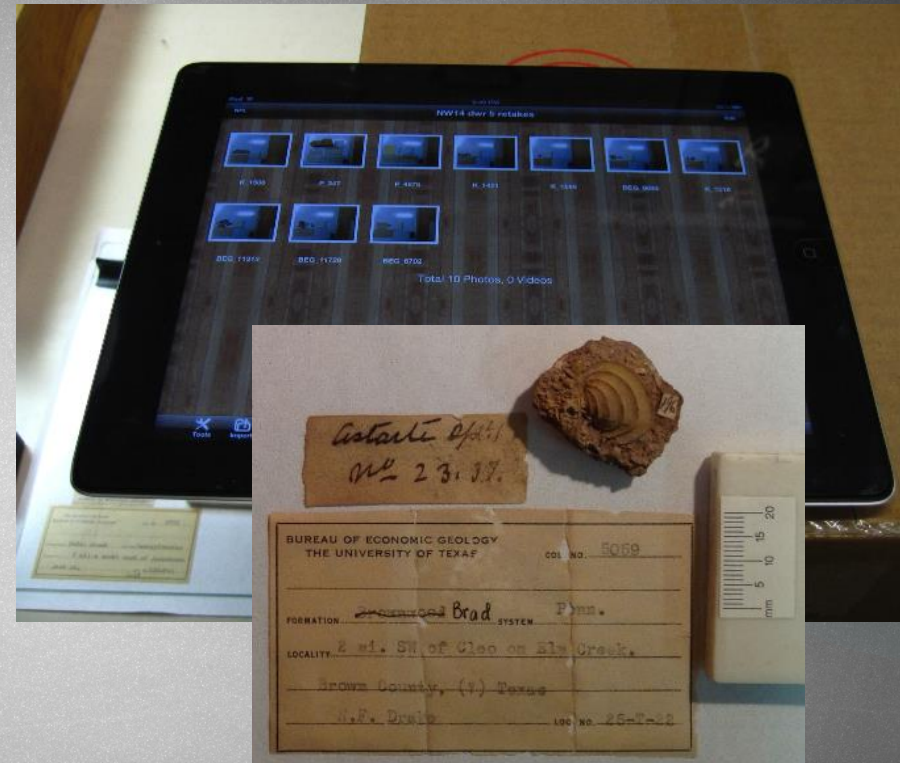
1/4

CLOSE

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Rapid mobile imaging with inventory

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rator and Collecron Manager

Results

- Record image of specimen
- Labels are legible and provide additional data for the database
- Can be linked to ArcOnline for browsing

Attaching media

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Sp View Node

Name: **Drawer 0125**

Caution, Labels may not apply a

Label text:

Remarks: 1920
Fredericksbu

Definition Item: Shelf

▼ Children

Full name:

Sp Edit Node

Name: **perfecta**

Parent: Caprinuloidea

Common name:

Remarks:

Preferred taxon:

Hybrid parent 1:

Hybrid parent 2:

Source:

GUID:

▼ Synonyms

Full name:

▼ Child Taxa


Full name: Caprinuloidea perfecta

▼ Taxon Citations + =

Reference Work:

Remarks:

Attachments

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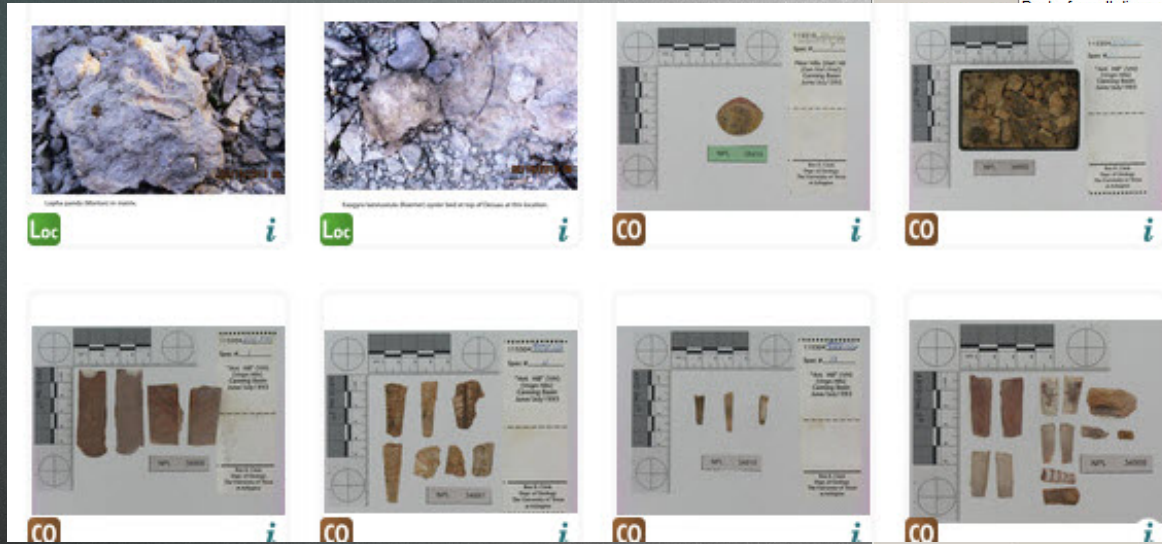
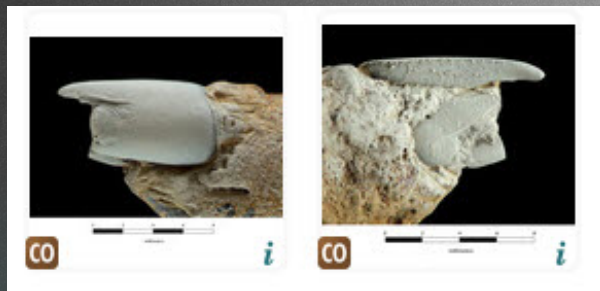
Created by: Molineux, AnnM
Modified by: Molineux, AnnM



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Attaching media



Collection Object

Catalog number: TX000001793.001 Other catalog numbers:

Specimen remarks: Slab 1 of 2. Not Found Vberger 11-1-11. Field notes on file "Sprinkle", PRC122/Records/27/1. Permit #94-GP-01-P.

Data entry issues:

Accession number: 1976-001 Collection: TX

Field Notebook Page: Verbatim catalog date:

Cataloger: Appleton, Liath Date cataloged: 02/28/2013

Double click on any field caption to review usage and definition notes

Collection Object Attributes

Collection type: Invertebrate

Biological stage: Sex:

Determinations

Taxon: Acuticarpus delticus Qualifier:

Preferred taxon: Acuticarpus delticus Current

Determined date: Determiner: Type status: Holotype

Determ. Remarks:

Determination Citations

1 of 1

Collecting Information

Locality: ca. 100 m SE of turnoff to Boysen Dam, S Owl, Fremont, Wyoming, United States

ridge 40 meters E of U.S. Route 20. 6-9 meters above road level. Approx. 100 meters SE of turnoff to Fremont County, Wyoming USA]

End date: 05/1994 Verbatim date: May, 1994

Collecting method:

| First name | Middle Initial | Remarks |
|------------|----------------|---------|
| Colin | | |

Lithostrat: Snowy Range Formation

Bottom distance:

Distance units:

Local series:

e Fm., 6-9m above top of redbed sequence. ?Jiangshanian

Number of pieces: 1 Prep catalog number:

Storage: Building PRC122, Type Room, Aisle 01 Right, Cabinet 0435, Drawer 0457

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Field Notebook

Name: Sprinkle 1977 Bromide Start Date: 03/11/1977 End Date: 11/27/1977 Owner: Sprinkle, James

Location: Bromide Formation, Oklahoma

Description: Notes and drawings from 1977 field work in the Bromide. 61 pages, handwritten, spiral bound notebook.

Page Sets

Start Date: 03/11/1977 End Date: 11/27/1977

Description:

Pages

Page Number: 000a Scan Date: 02/11/2014

Description: Cover, recto (front cover)

Collection Objects

Catalog number: Alt Catalog Num...

Created By Agent: Brenskelle, Laura Modified By Agent: Brenskelle, Laura


Timestamp Mod...: 04/18/2014 Timestamp Crea...: 04/11/2014

Grid

Attachments

1

Field Notebook Page Attachment



Sprinkle_1977_Bromide_000a

Grid

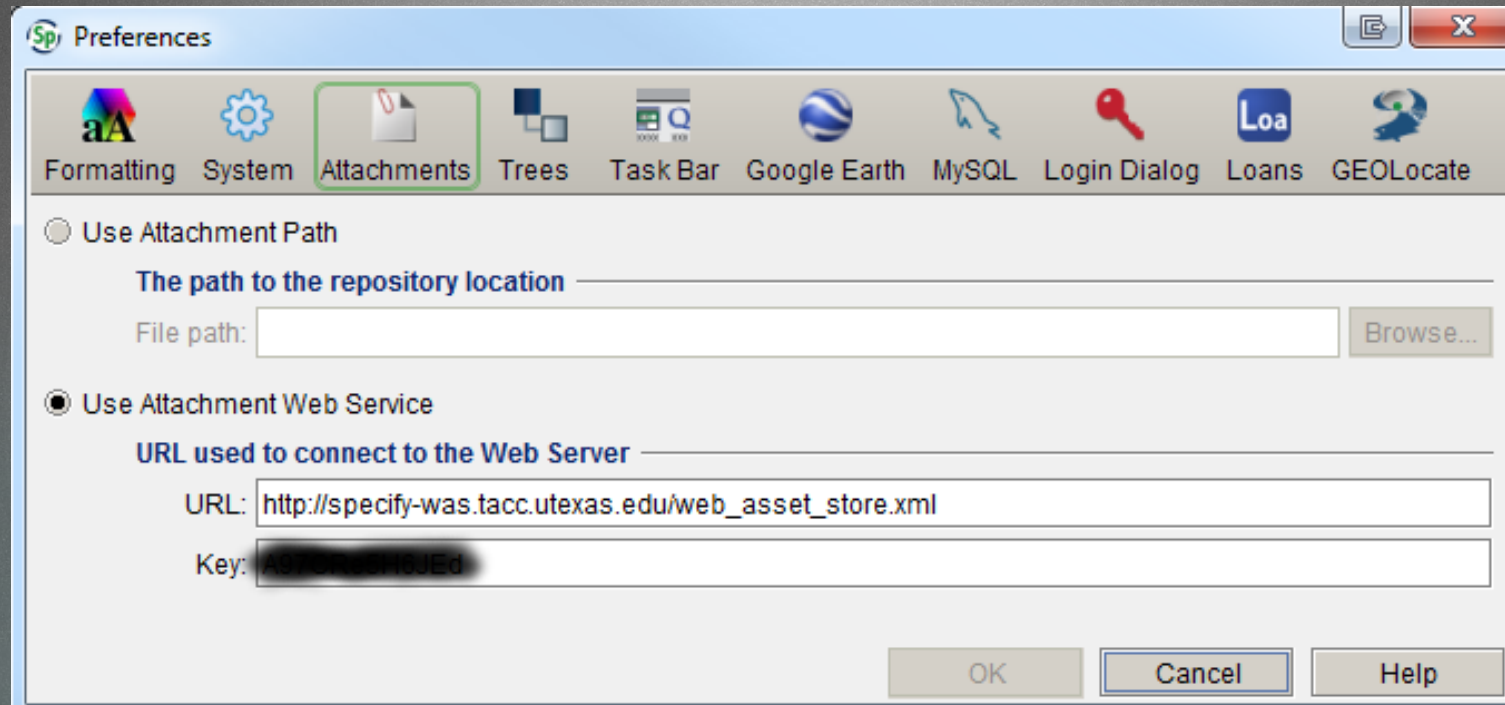
Close

The image shows a screenshot of a digital collection management interface. The main window displays the details for a 'Field Notebook' titled 'Sprinkle 1977 Bromide'. It includes fields for Name, Start Date (03/11/1977), End Date (11/27/1977), Owner (Sprinkle, James), Location (Bromide Formation, Oklahoma), and Description (Notes and drawings from 1977 field work in the Bromide. 61 pages, handwritten, spiral bound notebook.). Below this, there are sections for 'Page Sets' and 'Pages'. The 'Pages' section shows a page with Page Number '000a', Scan Date '02/11/2014', and Description 'Cover, recto (front cover)'. A 'Field Notebook Page Attachment' window is open, displaying a handwritten page from the notebook. The page is titled '1977 BROMIDE FIELD WORK' and contains various notes and drawings, including 'SPRING VACAT.', 'SUMMER TRIPS', 'MISS. VALLEY + APPAL. FIELD TRIPS', and 'EASEL Stenographic Note Book'. The attachment window also shows the filename 'Sprinkle_1977_Bromide_000a' and a 'Close' button.

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Specify Web Asset Server

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- Client needs to point to the WAS end- point

Specify Web Asset Server

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```
▼<urls>
  ▼<url type="read">
    <![CDATA[ http://specify-was.tacc.utexas.edu:8080/fileget ]]>
  </url>
  ▼<url type="write">
    <![CDATA[ http://specify-was.tacc.utexas.edu:8080/fileupload ]]>
  </url>
  ▼<url type="delete">
    <![CDATA[ http://specify-was.tacc.utexas.edu:8080/filedelete ]]>
  </url>
  ▼<url type="getmetadata">
    ▼<![CDATA[
      http://specify-was.tacc.utexas.edu:8080/getmetadata
    ]]>
  </url>
  <url type="testkey">http://specify-was.tacc.utexas.edu:8080/testkey</url>
</urls>
```

- Server provides a web services interface for retrieving, uploading and deleting files

Specify Web Asset Server

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```
COLLECTION_DIRS = {  
    # 'COLLECTION_NAME': 'DIRECTORY_NAME',  
    'NPL%20collections': 'npl',  
    'Ichthyology Collection': 'ichthyology',  
}
```

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- Server configuration supports multi-catalog set-up

Specify Web Asset

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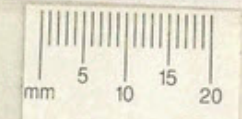
- Uploaded images can be made web-addressable if desired

Online browsing

HOME ▾ Non-Vertebrate



Esri.com ArcGIS Marketplace Help Ter
Use Privacy Contact Esri Report Abuse



NPL 62041

FORMATION _____ AGE Cret.
LOCALITY $1\frac{1}{2}$ mi. north of Goodland,
Indian Territory
COL. NO. _____ LOC. NO. _____
THE UNIVERSITY OF TEXAS BUREAU OF ECONOMIC GEOLOGY
GEOLOGICAL SURVEY OF TEXAS (DUMBLE SURVEY)
RED NO. () WHITE NO. _____ GREEN NO. _____
J.A. Taff- No. 1, NB. I, p. 4
April 9, 1892
Labeled: Pholadomya
"Fredricksburg Div."

Form 2.—1889. *Fredricksburg Div.*
No. *1* N B. *1* P. *1* 18*92*
Pholadomya
Locality *1 1/2 mi. n. of Goodland Ind. Terr.*
Examine for *Fred. Div.*
Collector: *J. A. Taff*

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and Collection Manager

Faster whole drawer imaging?



20140419_114703_625.jpg

| Description | IPTC Extension | Camera Data | GPS Data | Video Data | Audio Data |
|-----------------------------------------|----------------|-------------------------------|----------|------------|------------|
| Camera Maker: Google | | Image Size: 2528 × 1856 | | | |
| Model: Glass 1 | | Resolution: 72 Pixel per Inch | | | |
| Owner: | | Flash: Did not fire | | | |
| Lens: | | | | | |
| Focal Length: 3.0 mm | | | | | |
| Exposure: 1/40 sec; f/2.5; ISO 196 | | | | | |
| Normal program; Centerweighted-Avera... | | | | | |

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Powered By **xmp™**

Preferences Import... OK Cancel

Possibly

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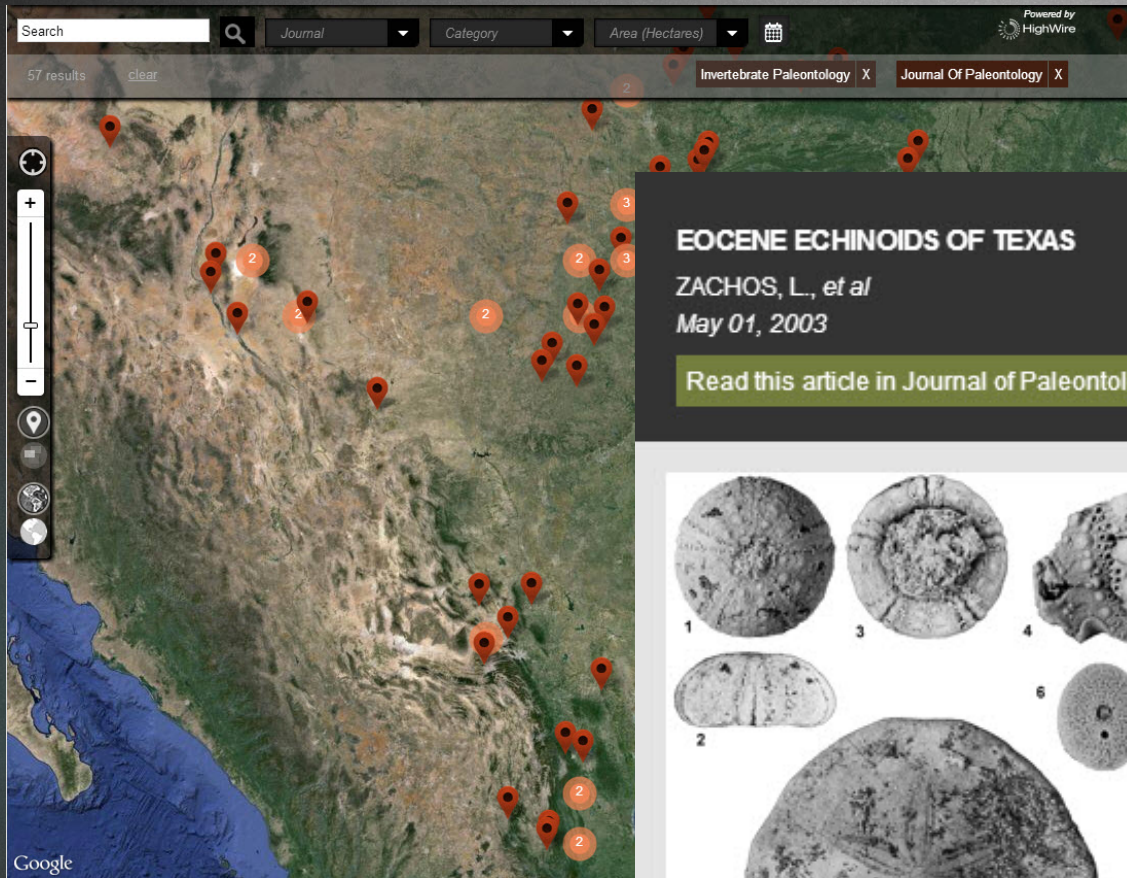


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Linking to other digital environments?

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EOCENE ECHINOIDS OF TEXAS

ZACHOS, L., et al
May 01, 2003

[Read this article in Journal of Paleontology »](#)

Coordinate Information
30° N, 96° W
30° N, 94° W
32° N, 94° W
32° N, 96° W

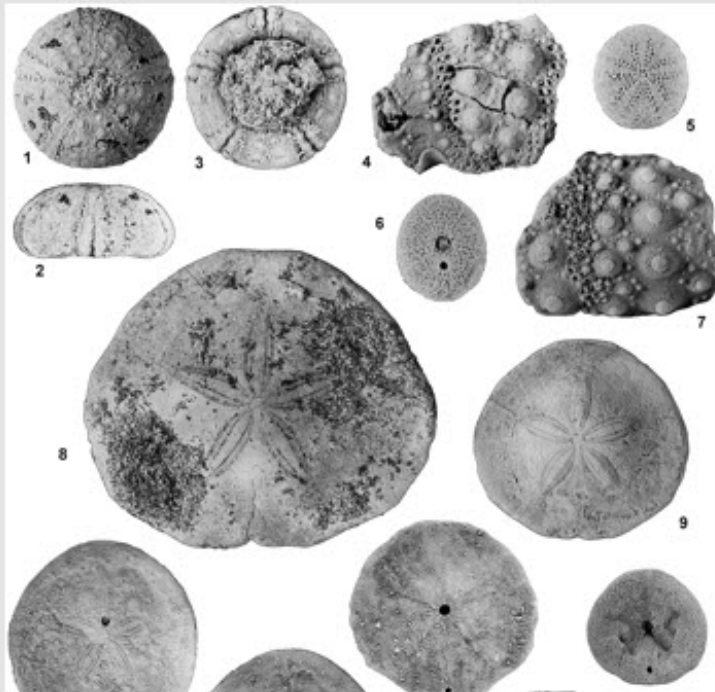
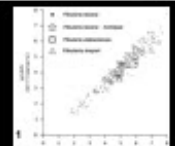
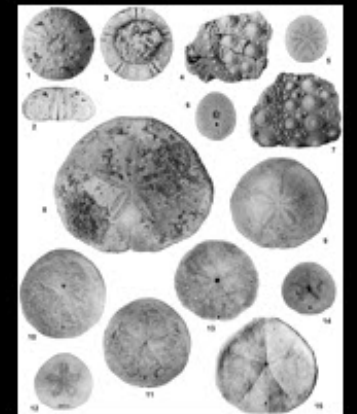
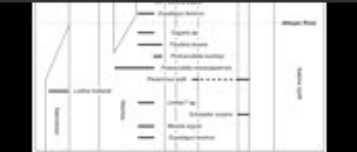


Figure 3—1–4, 7, *Gagaria* sp.; 1, TMM-2008TX1, aboral, internal mold, $\times 2.2$, specimen coated with ammonium chloride, from Locality 52, Nacogdoches County, Texas; 2, TMM-2008TX1, lateral, $\times 2.2$, coated; 3, TMM-2008TX1, adoral, $\times 2.2$, coated; 4, TMM-1999TX1, fragment of basicoronal area, $\times 5.3$, coated, from Locality 75, San Augustine County, Texas; 7, TMM-2017TX3, fragment, $\times 5.0$, coated, from Locality 77. 5, 6, *Fibularia texana*, from Locality 75, San Augustine County, Texas; 5, TMM-1999TX3, aboral, $\times 5.8$, coated; 6, TMM-1999TX2, adoral, $\times 5.2$, coated. 8, 9, 13, *Protoscutella mississippiensis mississippiensis*, from Locality 80, San Augustine County, Texas; 8, TMM-2007TX1, aboral, $\times 1.25$, uncoated; 9, TMM-2007TX2



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Acknowledgements

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- Cissy Geigerman for her work imaging historic specimens
- Robert Burroughs for his work with ArcOnline access
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- Many of the protocols are based upon work supported by the National Science Foundation under grants:
 - DBI-1057396: *Open Access: Conservation, Digitization and interoperability of the Historic Non-vertebrate Collections of the Texas Natural Science Center.*
 - EF-1305070: *Digitization PEN: Targeted digitization to expand and enhance the Paleoniches TCN.*
 - Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.

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