



Moderate Resolution: A Focus on Global Transparency

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JACIE Conference

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- The higher resolution imagery makes more sense in the context of what the lower resolution imagery has to offer.
- Moderate resolution imagery helps us see the forest so we can better understand the tree.





Geospatial Foundational Data

- **Historically, the Civil land imaging systems have augmented the DoD and IC with broad area coverage foundational data necessary to assist in production of:**
 - **Battlespace characterization**
 - **Change detection**
 - **Mapping, charting and geodesy products**



Future of Land Imaging Working Group

- **NGA will support this initiative through:**
 - **Participation on Executive Committee**
 - **Assist in charting future requirements**
 - **Participate in management oversight of Program**



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Peeling the onion...





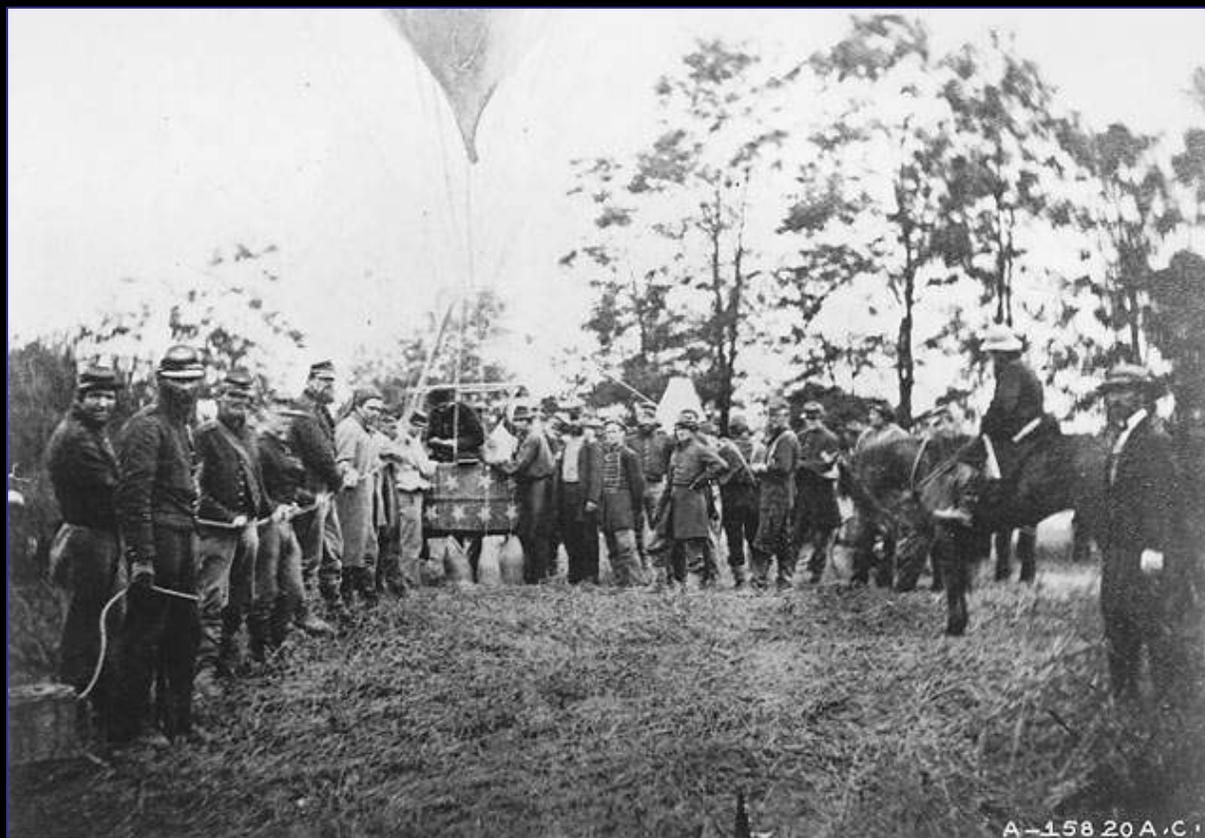
Charting the Unknown...

- In 1803, Thomas Jefferson secretly planned and funded Lewis and Clark
- This was the first large government effort to explore the new lands President Jefferson had purchased from France, the Louisiana Purchase
- With open and classified missions, Lewis and Clark created products that included new maps of the territory reflecting their adventures.



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...a different perspective



Courtesy of Defense Visual Information Center



Courtesy of NGA Historian



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A. WATTS/STANLEY, PHOTODUPLICATION SERVICE

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REYNOLDS & ALLEN, ASTORIA, OREGON

BALLOON VIEW OF BOSTON.

*George C. Conforter
from King's College*

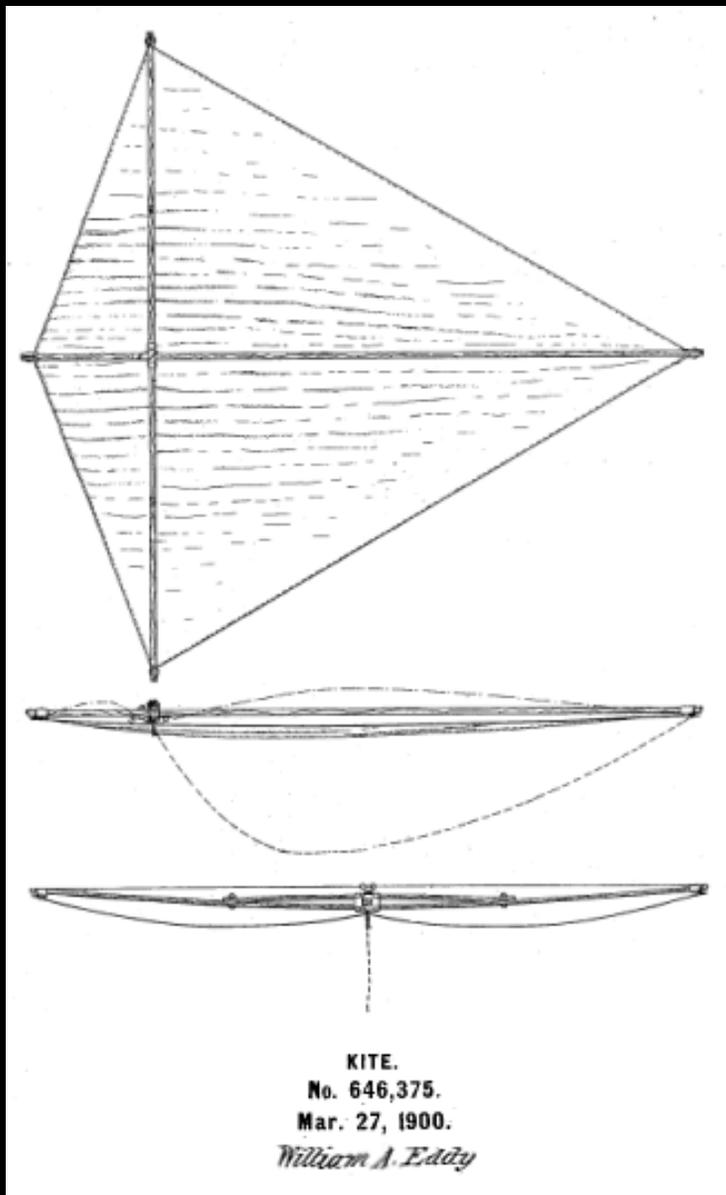
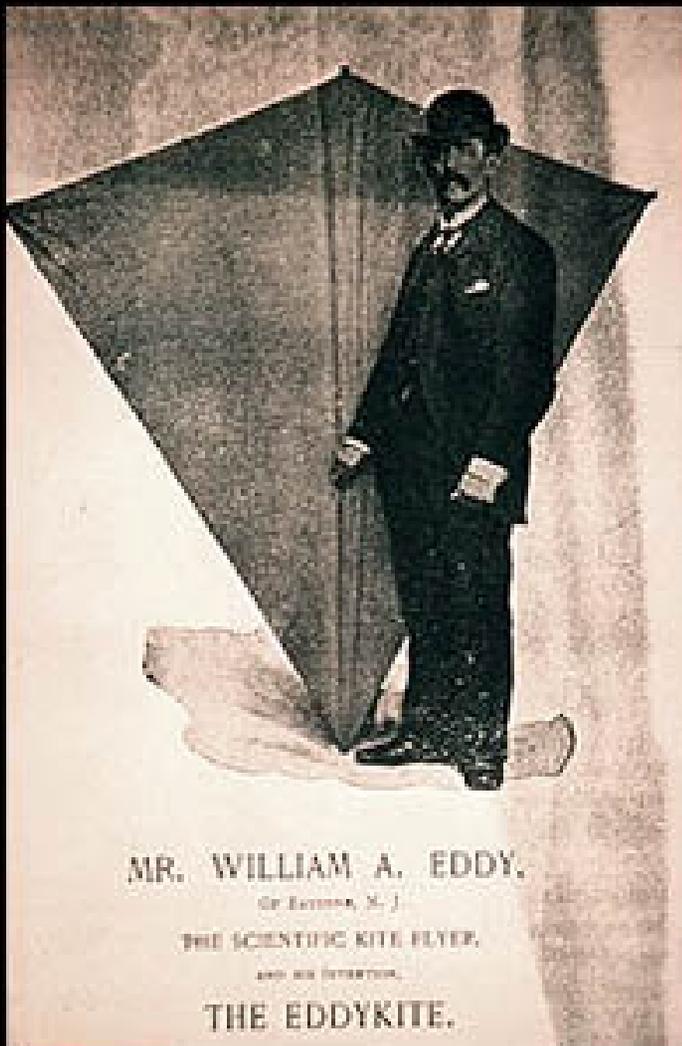


Courtesy of
NGA Historian

Courtesy of
Boston Public
Library

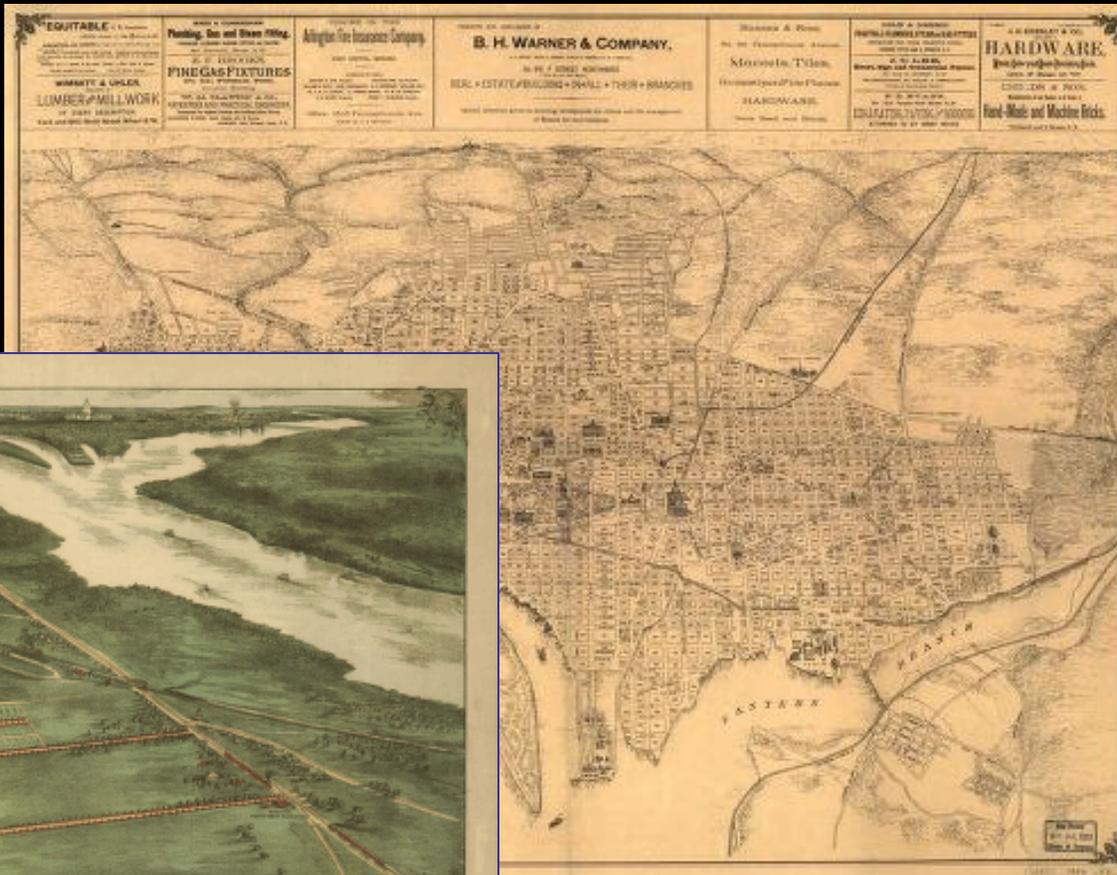


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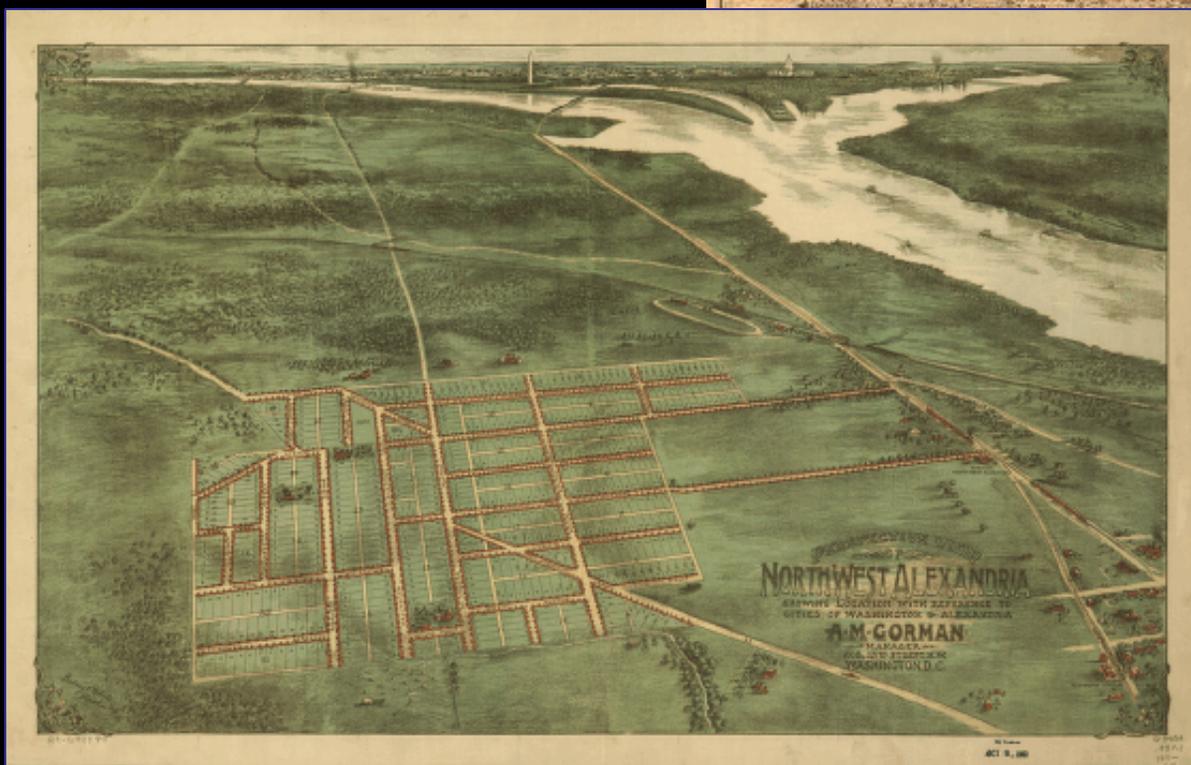


19th Century County Maps



1886

B.H. Warner & Co.'s Map showing a bird's-eye view of the city of Washington and suburbs : locating the public buildings and places of interest / prepared by A.G. Gedney, Post Building, Washington, D.C. ; presented with compliments of B.H. Warner & Company.



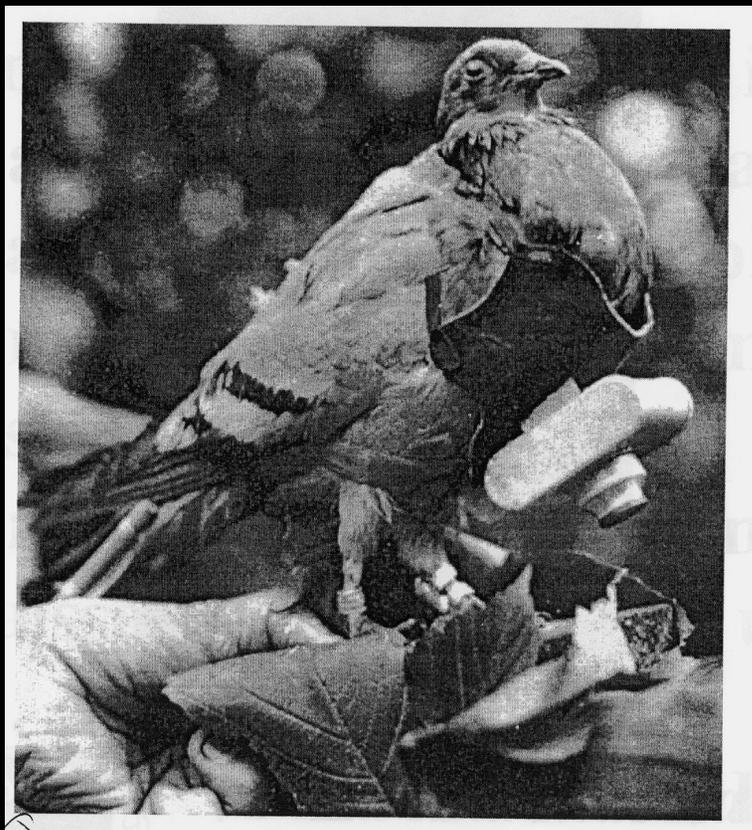
Perspective view of northwest Alexandria : showing location with reference to cities of Washington & Alexandria / Gedney & Roberts.

Circa 1880

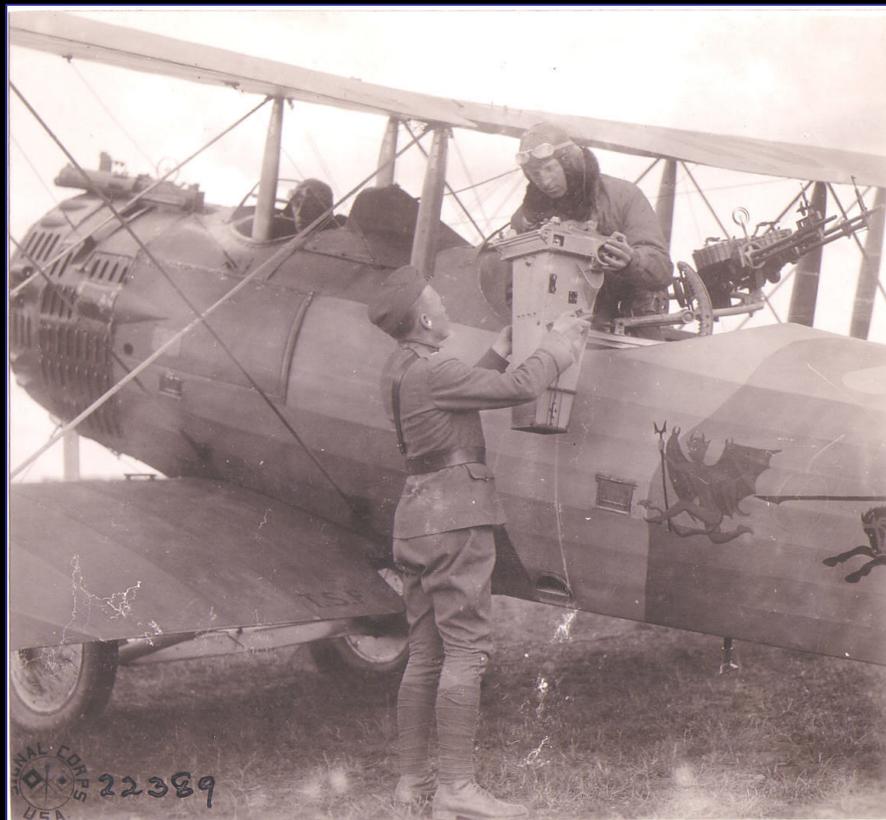
Credit: Library of Congress, Geography and Map Division



Aerial View: 20th Century



Pigeon Camera



Blerthiot color lens being placed on the plane. 91st Aero Squadron



Spitfire 1942

World War II Cameras



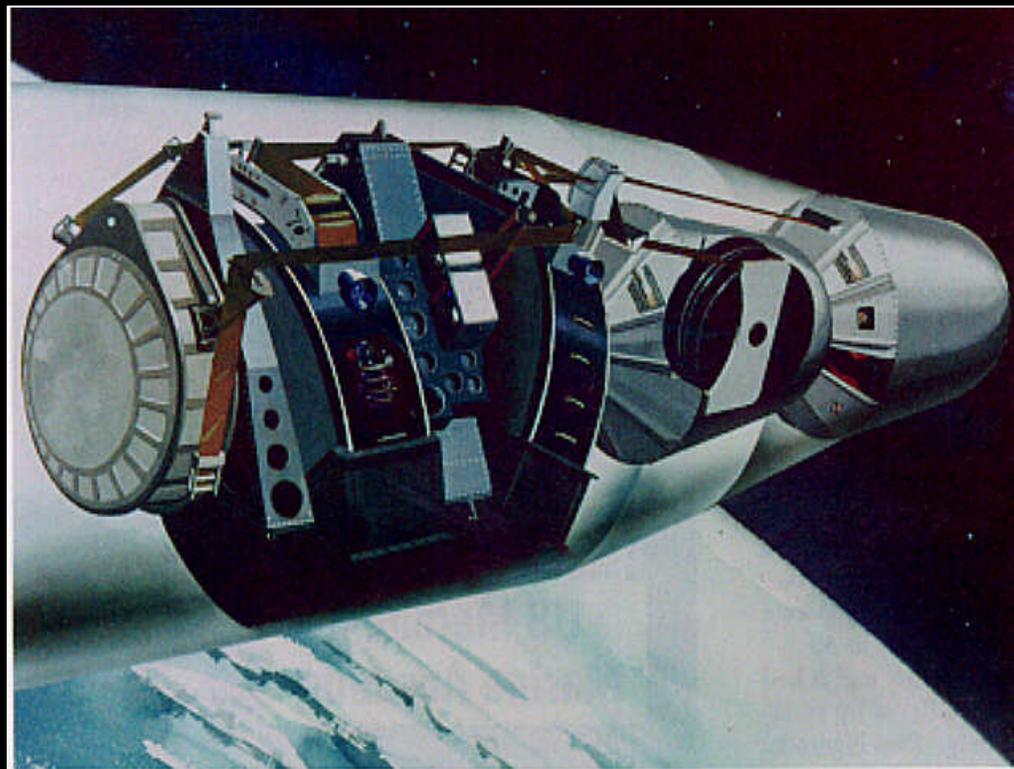


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**Loading Cameras for
Surveillance Mission, Germany,
1958**

Artist Concept of the KH-4B Camera in Flight 51KB



www.nro.gov/corona/imagery

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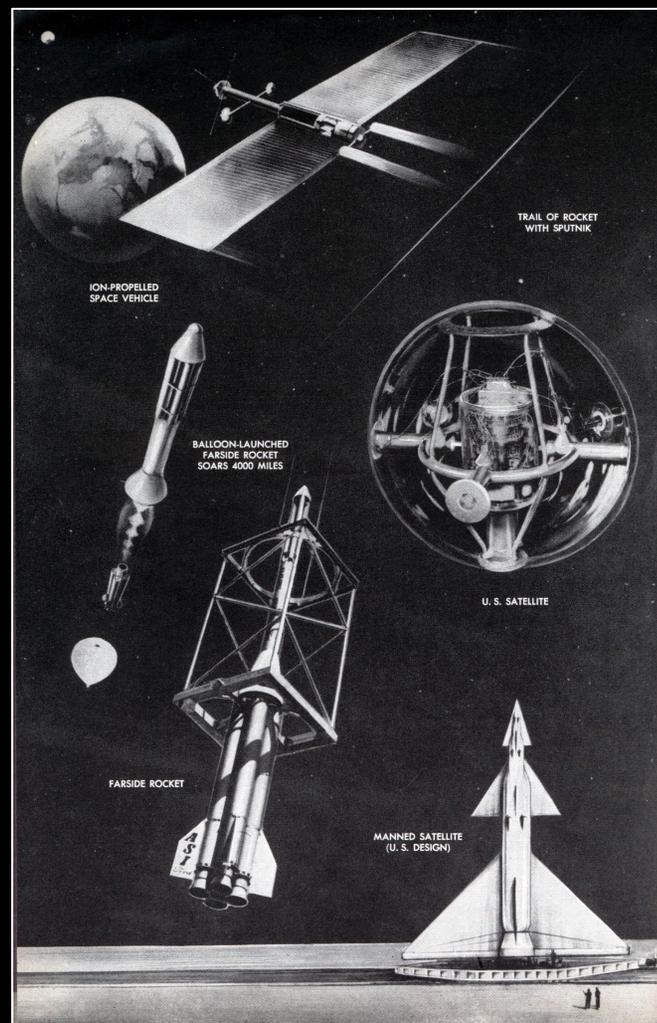
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Popular Mechanics:
January 1958

“If everyone who should know is right, we will see a sky full of satellites in short order.”



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IDEX Computer System





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Landsat 3



Credit: NASA

<http://landsat.gsfc.nasa.gov/about/landsat3.html>

**Launched in
March 1978**

Landsat 4



Credit: NASA

<http://landsat.gsfc.nasa.gov/about/landsat4.html>

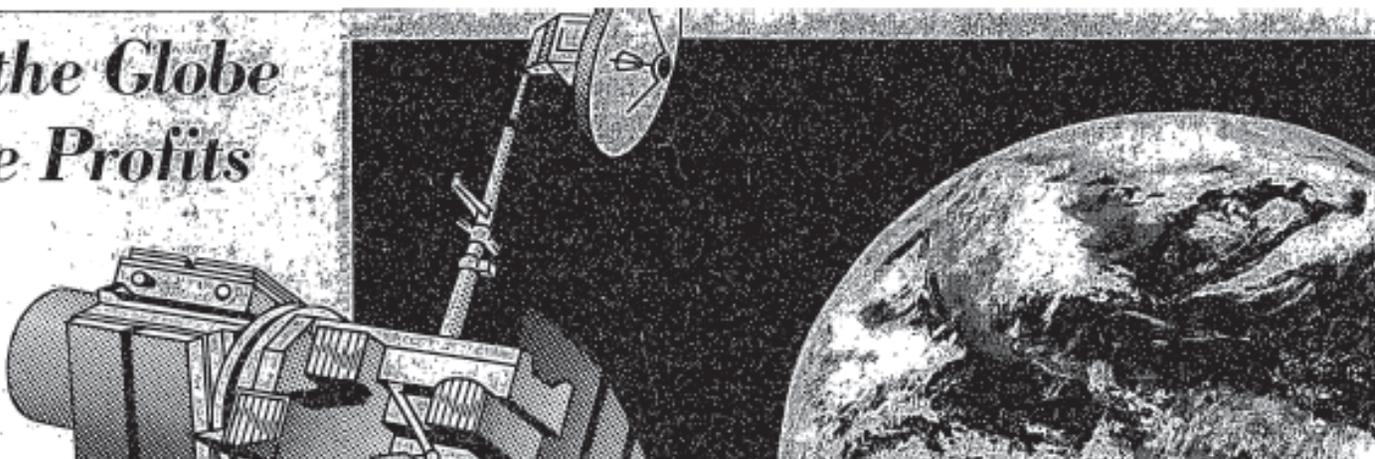
**Launched in
July 1982**

Scanning the Globe For Private Profits
By Michael Schrage Washington Post Staff Writer
The Washington Post Apr 3, 1983;
pg. H1

Scanning the Globe For Private Profits

**Satellite Plan
Launches New
Space Race**

By Michael Schrage
Washington Post Staff Writer



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1984: Land Remote Sensing Commercialization Act

1986: Launch of Spot-1



Djebel Amour - one of the first images taken by SPOT-1

Crédits CNES - distribution Spot Image

<http://www.cnes.fr/web/1417-spot-1-to-5.php>

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The Washington Post

TODAY IN CONGRESS

The Washington Post Washington, D.C.

Date: Aug 11, 1992

Section: A SECTION

SENATE

Meets at 9:15 a.m.

Committees:

Armed Services - 10 a.m. Bosnia, U.S. & Western responses. 106 Dirksen Office Bldg.

Banking, Housing & Urban Affairs - 10 a.m. Consolidation of professional liability section of Resolution Trust Corp. Legal Division. 538 DOB.

Commerce, Science & Transportation - 10 a.m. Mark up Aviation Noise Improvement & Capacity Act; Aviation Insurance Act; Land Remote Sensing Policy Act; Federal Trade Commission Act; Bicycle Helmet Promotion Act; Clean Vessel Act of '91; Marine Mammal Health & Stranding Response Act; nomination of Jose Antonio Villamil for Commerce undersec. for economic affairs; Mary Jo Jacobi for Commerce asst. sec. for congressional & intergovernmental affairs. 253 Russell Office Bldg.

1994: Presidential Policy; IKONOS license for 0.82m PAN

1997: Department of Commerce first regulation

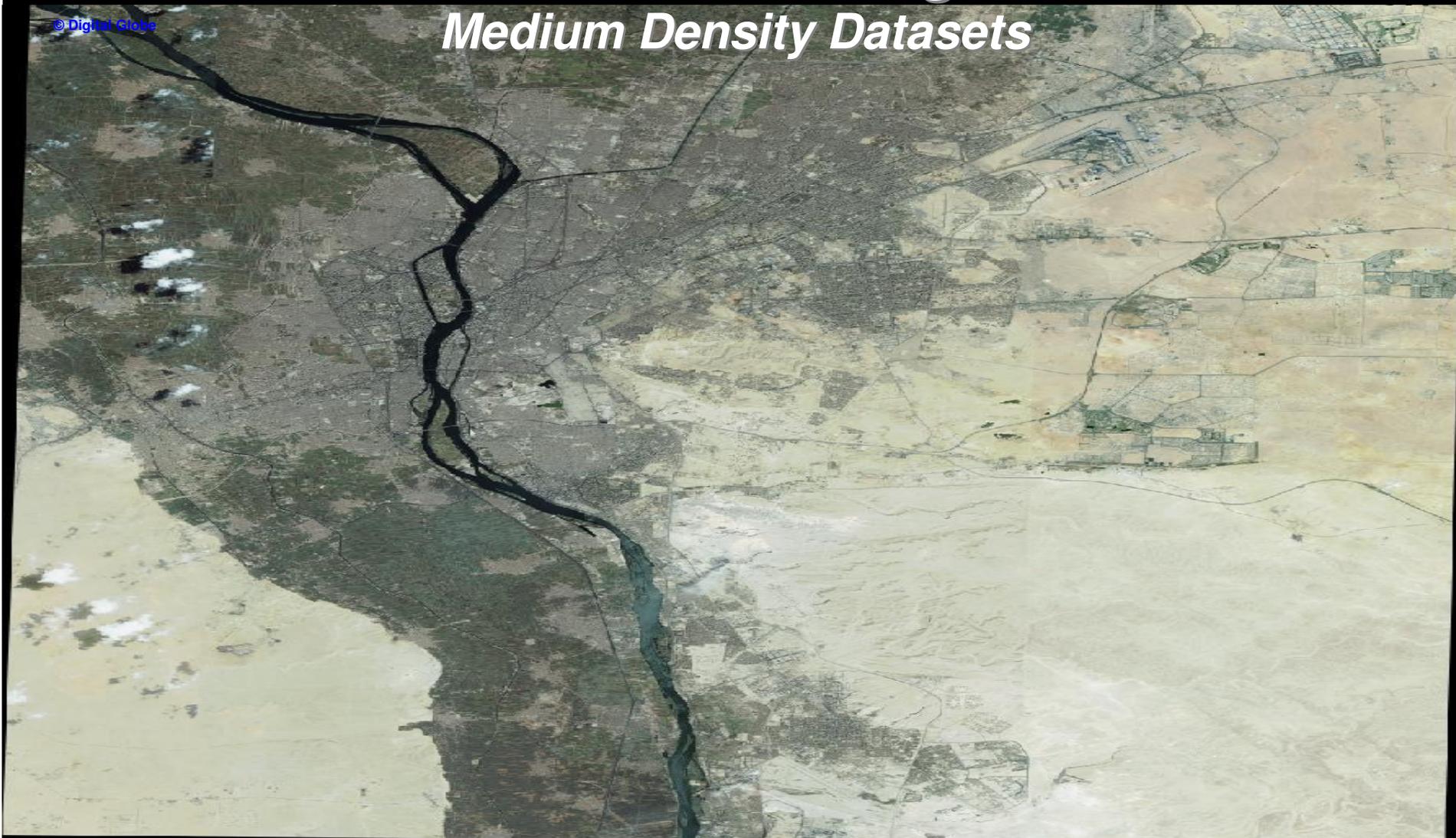


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Value-Added Program

Medium Density Datasets

© Digital Globe



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Conclusion

NGA's work continues the traditions of its predecessors in meeting national and military needs as old as the nation itself.



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