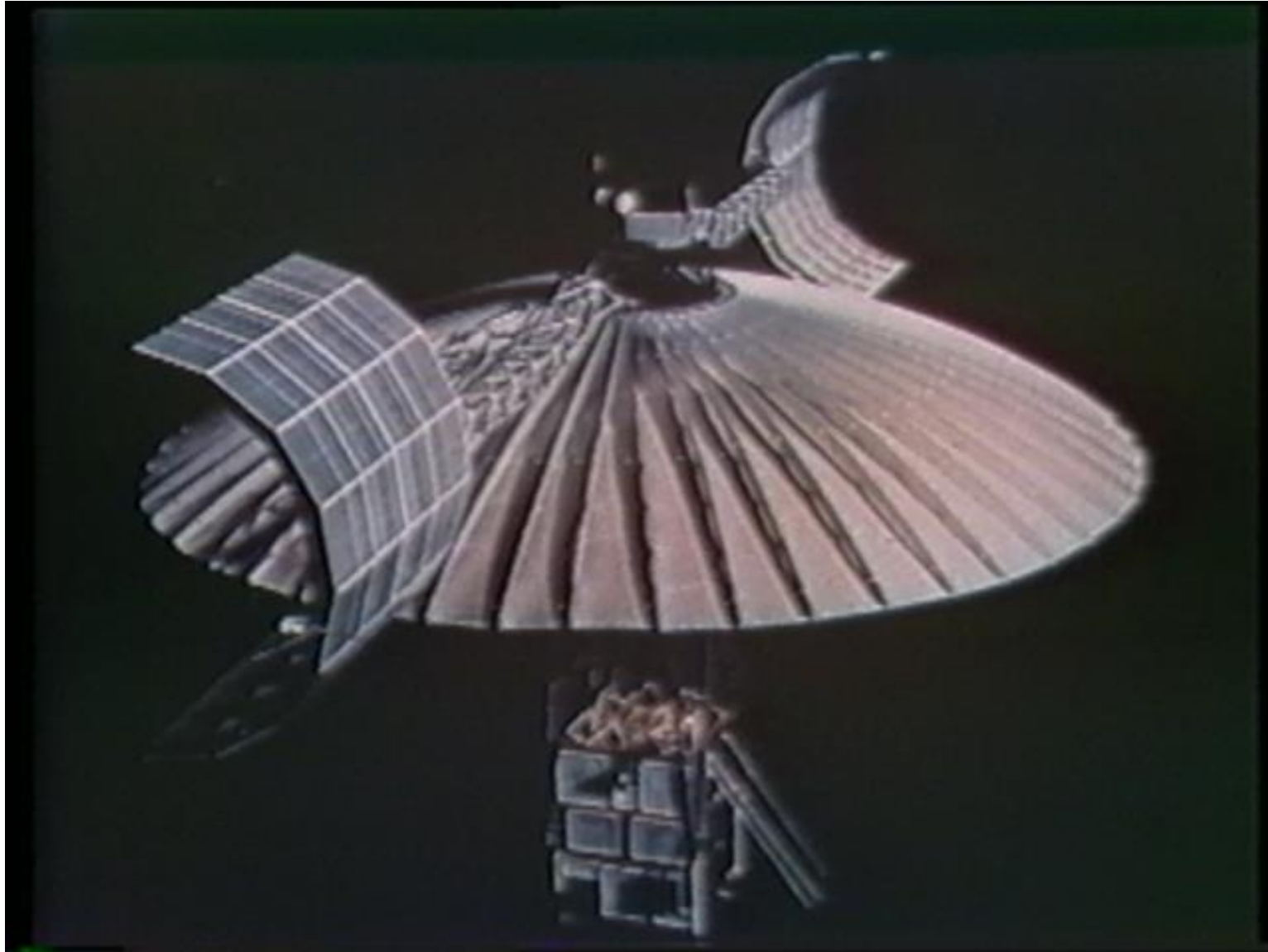


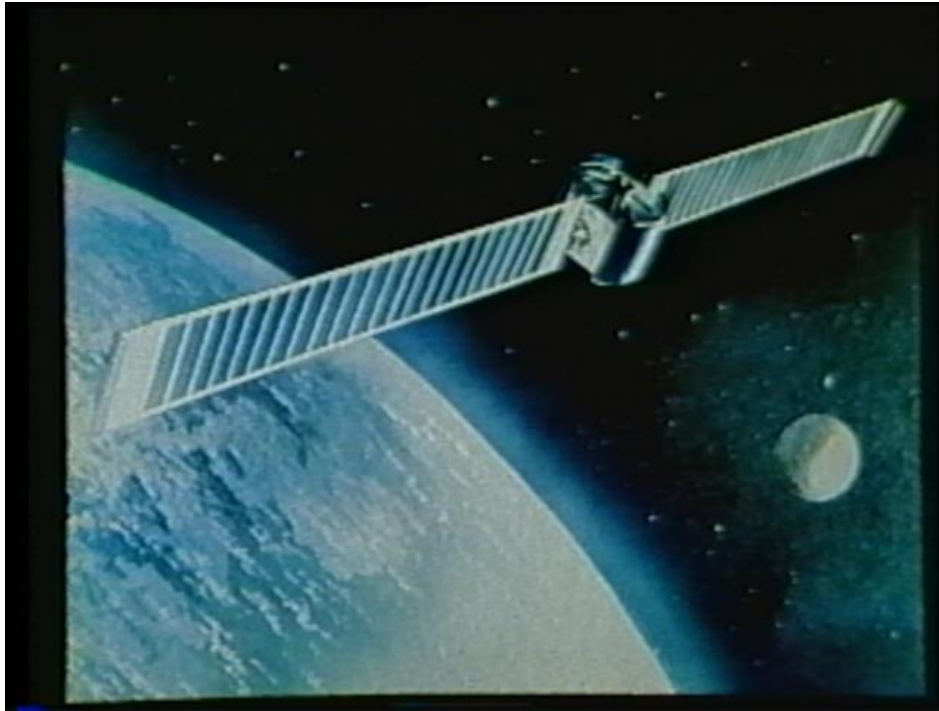
Where we've been.. And
where we're going

George Thoma

NASA's ATS-6 Satellite



Communications Technology Satellite (CTS)

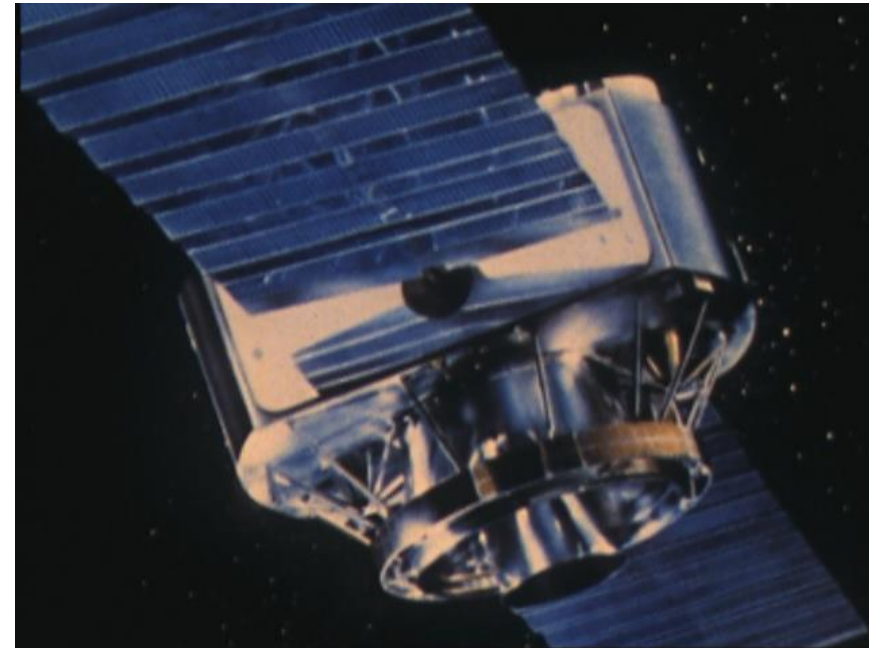


Footprint: Fort Yukon to Bethesda

Ku Band (12-14GHz)

Small antenna for earth station

**A joint US-Canadian satellite
program**



10-foot antenna, rural Alaska



Telemedicine via satellite



2-way broadcast quality video

Audio, data



Broadcast studio at NLM/Lister Hill Center



Distance learning, conferences – NIH to sites in West and Alaska



Motivations

Does the project

- Help diagnose/screen for diseases (especially in resource limited areas)?
- Create efficiencies in NLM's core mission?
- Bring NLM's historic treasures to a wider audience?
- Help people in any way, e.g., in the midst of a mass disaster?

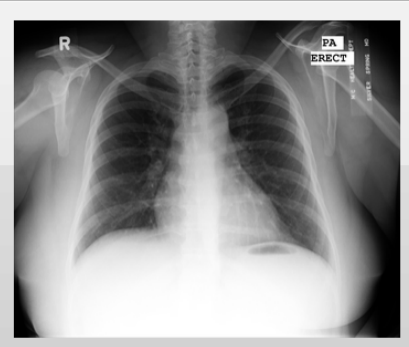
Motivations

- Help diagnose/screen for diseases (especially in resource limited areas)?
 - Automate the detection and localization of TB or cardiomegaly in CXR
 - Automate the detection of malaria from RBC in blood smear images
 - Automate the detection of cervical cancer in colposcopic and histology images


NLM TB Screening Tool (Beta) Logout

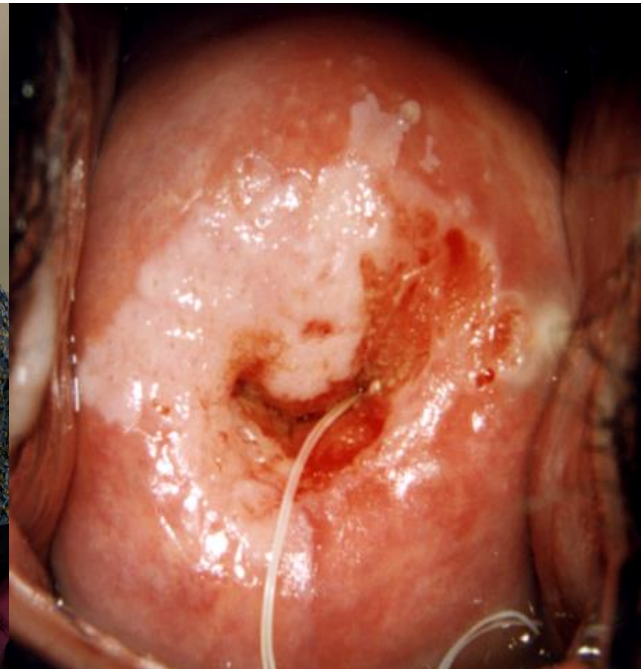
History All

Day	Time	Patient Name	Gender	Age	Status
03/09/2015	08:54:07	Wendy Jane	Female	63	Green
03/09/2015	08:53:46	Cindy Jane	Female	57	Red
01/21/2015	14:54:07	Max Joe	Male	42	Green
01/21/2015	14:53:46	Andrew Joe	Male	48	Red
01/21/2015	14:52:15	Alex Joe	Male	37	Green
01/21/2015	14:51:55	Lisa Jane	Female	60	Red
01/21/2015	14:49:49	David Joe	Male	50	Green
01/21/2015	14:49:25	Mary Jane	Female	45	Red
01/21/2015	12:34:17	Milke Joe	Male	33	Green
01/21/2015	12:33:08	Helen Jane	Female	40	Green



Export History

 version 0.2

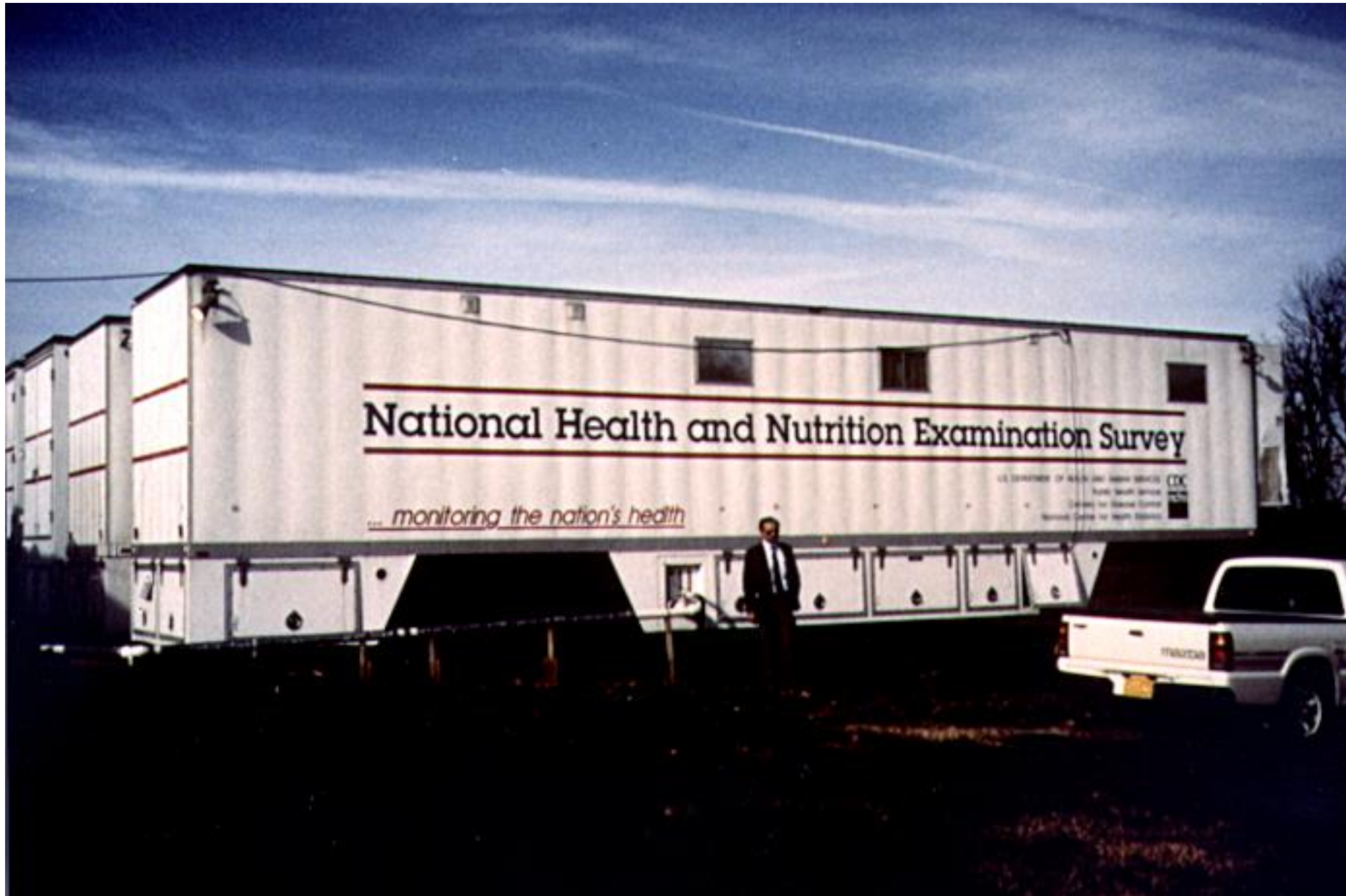


Spine Images

Earliest foray into medical images ~1992



CDC/NCHS Tractor trailers parked near Chester, PA

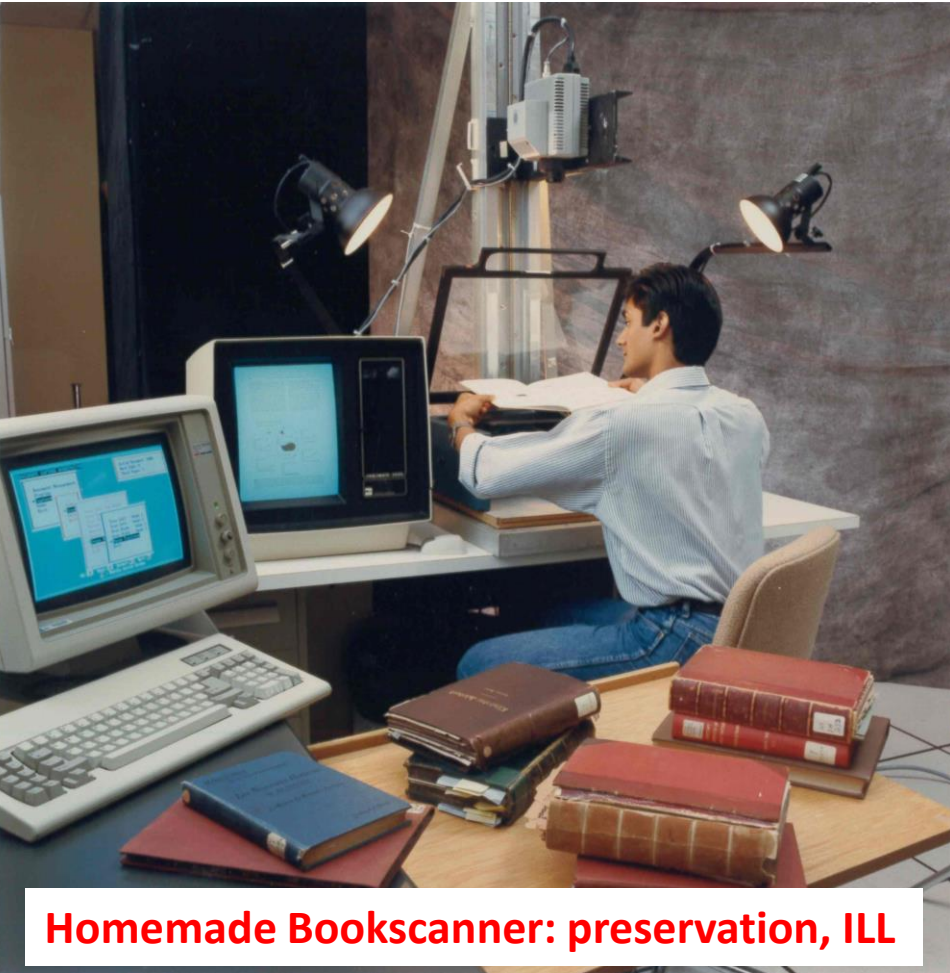


Inside the trailers



Motivations

- Create efficiencies in NLM's core mission?



Homemade Bookscanner: preservation, ILL



Automated Interlibrary Loan

Motivations

- Create efficiencies in NLM's core mission?



MARS System ~1995

Automated extraction of bibliographic data in medical articles to build MEDLINE citations

Machine learning, image processing



Daniel Le, Ph.D.

US Patent 5,592,572

January 7, 1997

**Automated portrait/landscape
mode detection on a binary
image**

Motivations

- Bring NLM's historic treasures to a wider audience?



TTP Kiosk



TTP Website



TTP on the iPad

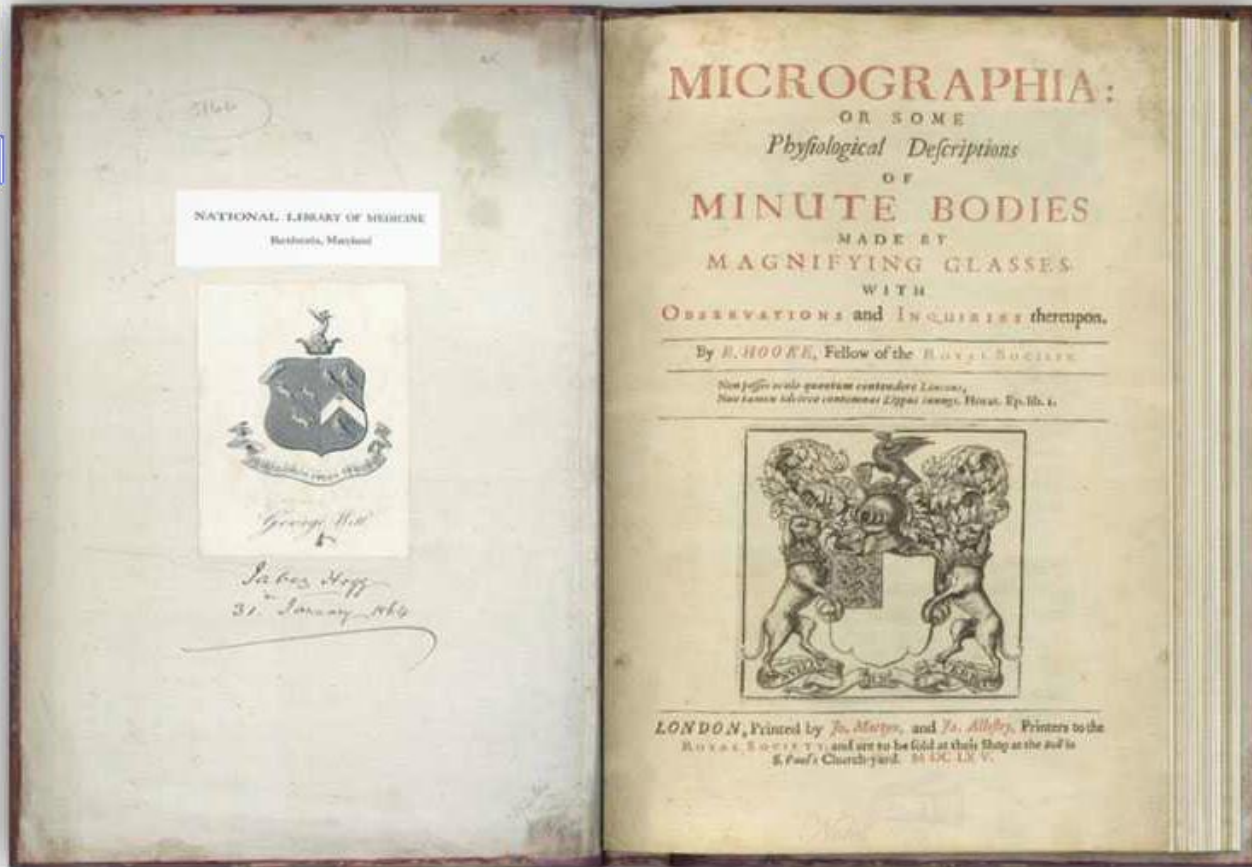
Books

about

credits

Close

i
T
■



er, architect,
the great
or Some
Glasses was
microscopic

Close X



medical texts,
cursive script,

1a. Each
injury,
case which
medicine, which

and recipes,

found in Egypt in
some loose
fragments. Here we

see his death,
where it

is found
in New



CLOSE



TEXT



ZOOM

Motivations

- Help people in any way, e.g., in the midst of a mass disaster?


Haiti Earthquake People Locator
A beta project of the U.S. National Library of Medicine
Lister Hill National Center for Biomedical Communications

English | Français | Kreyòl
How do I report?
How do I use this site?
For a person below: What do I do now?
Additional Resources
Contact/About Us

greg Search Clear Pause Play

Missing Found: Alive and Well Injured Deceased Unknown

109 matches from 51932 total records



Name: gregory mcalpin Status: missing
When Reported: 2010-02-01 19:57:46 ID: google.com/person.51011

NLM People Locator

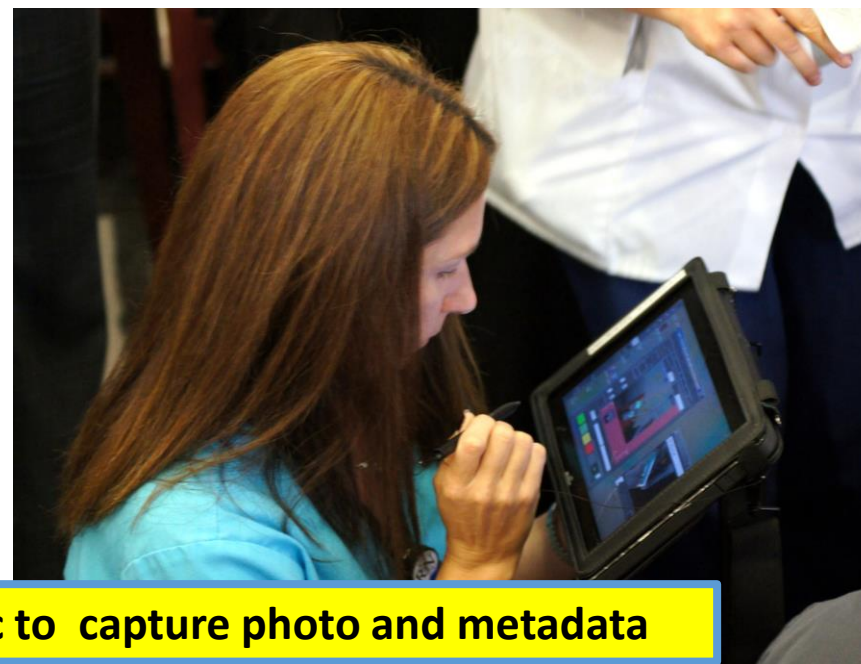
>50 earthquakes,
floods, tsunamis

First used in Haiti
2010

TriagePic used for family reunification



Arrival of "victims" at Suburban Hospital



Hospital staff use Lister Hill Center's TriagePic to capture photo and metadata

To be passed on to the next longest serving staff member – Dr. Craig Locatis

Embedded in this plaque is the oldest artefact (man-made object) connected with LHCNBC. It is a printer's cut, ordered in 1968 to be used on our business cards. I got it from Mary Geiser originally secretary to Dick See, one of the original 12.

I am loaning this plaque to Earl Henderson, who came with the Center in 1972. When he leaves it should be awarded to the LHCNBC staff member with the next longest stay at the Center

Made and awarded by Harold Wooster, who started in August, 1970, and retired on June 1, 1984.

Harold Wooster



I Earl Henderson came to LHCNBC October 1972, and retired March 1, 2001.

In following the tradition started by Harold Wooster in 1970, I now pass this LHCNBC artefact to George Thoma who came to LHCNBC in 1975. George is hereby charged to protect this artefact and pass it to the next protector upon his departure.

Earl Henderson

Live long and prosper!



And boldly go where no man has gone before..

Live long and prosper!



And boldly go where no ~~one~~ man has gone before..