

Library Support for Mobile Computing



NCSU College of Veterinary Medicine (CVM) Library

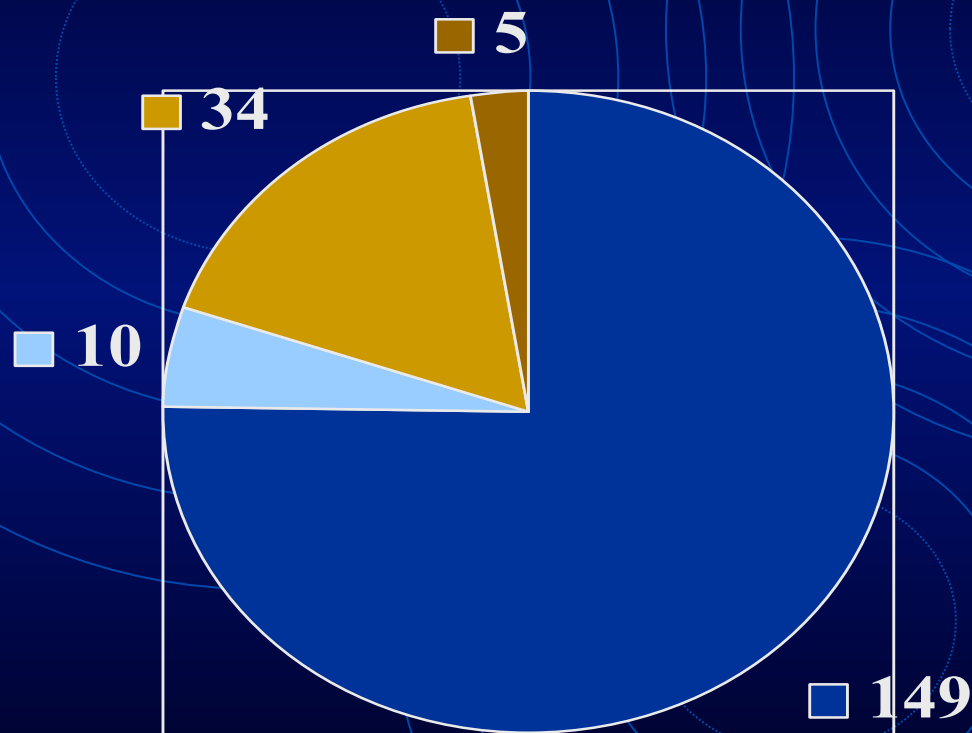
Overview

- NCSU CVM (College of Veterinary Medicine)
Mobile Computing Initiative
- Distribution of PDAs (Personal Digital Assistants)
in CVM
- Uses of PDAs in CVM
- Eudora Web, PDA Desktop, Blazer (wireless
network access and web browsing)
- Veterinary Medical Library PDA Resource Support
- Other PDA Projects & Useful URLs
- Acknowledgements

CVM Mobile Computing Initiative

- To provide third and fourth years CVM students with HandSpring Visor PDAs and Xircom Springport Wireless Ethernet cards to access wireless network
- To enhance professional education through handheld computing that allows students access to clinical notes, procedures, best practices, formulary databases, online articles, library catalog and Internet access within and outside classrooms, labs, clinics, and library via PDAs

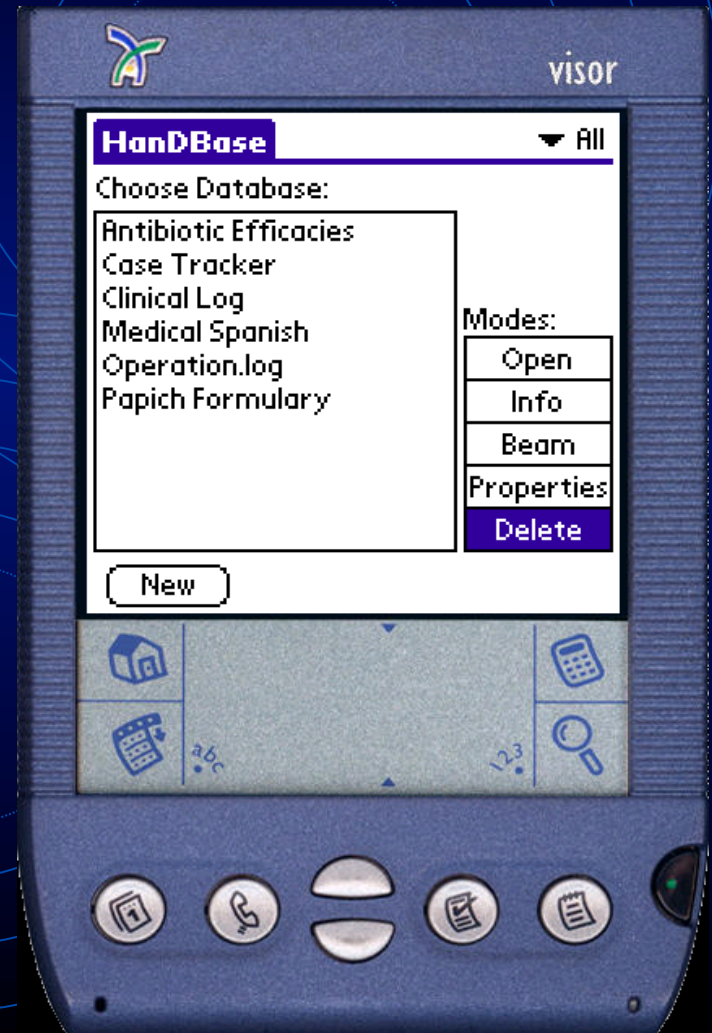
Distribution of PDAs in CVM



- Students
- Ross
- Faculty
- Staff

Uses of PDA in CVM

- To create HandBase Databases of Antibiotic Efficacies, Case Tracker, Clinical Log, Medical Spanish Dictionary, Papich Formulary
- To record clinical notes, surgical procedures, lab results
- To access reference materials
- To perform scheduling, clinics
- To participate in instant polling



Uses of PDA in CVM

- Examples of HanDBase Databases applications

Antibiotic Efficacies

ANTIBIOT	Vancomyci	Tobram
Serratia spp	<5%	90%
Citrobacter s	<5%	>95%
Pseudomona	<5%	>95%
Acinetobacte	<5%	80%
Neisseria min	<5%	>95%
Neisseria Gon		
Bacteroides		int
Clostridium s	100%	int
Anerobic cocc		int

Filters Find Again Done New Sort

Case Tracker

Last Name	Date	Side	Trau	Af
Smith	2/2/0	Right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4/23/	No V	<input type="checkbox"/>	<input type="checkbox"/>
Osegueda	4/23/	Right	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Filters Find Again Done New Sort

Clinical Log

Rotation	Date	Client n
	5/10/02	
Radiology	5/9/02	Gilda
Surg	5/9/02	Muffy

Filters Find Again Done New Sort

Medical Spanish

English	Spanish
cancer	el cancer
cheek	la mejilla
chest	el pecho
chicken pox	la varicela
child	el nino(a), el nene(a)
chills	los escalofrios
chin	el menton, la barbi
cholesterol	el colesterol
chronic	chronico

Filters Find Again Done New Sort

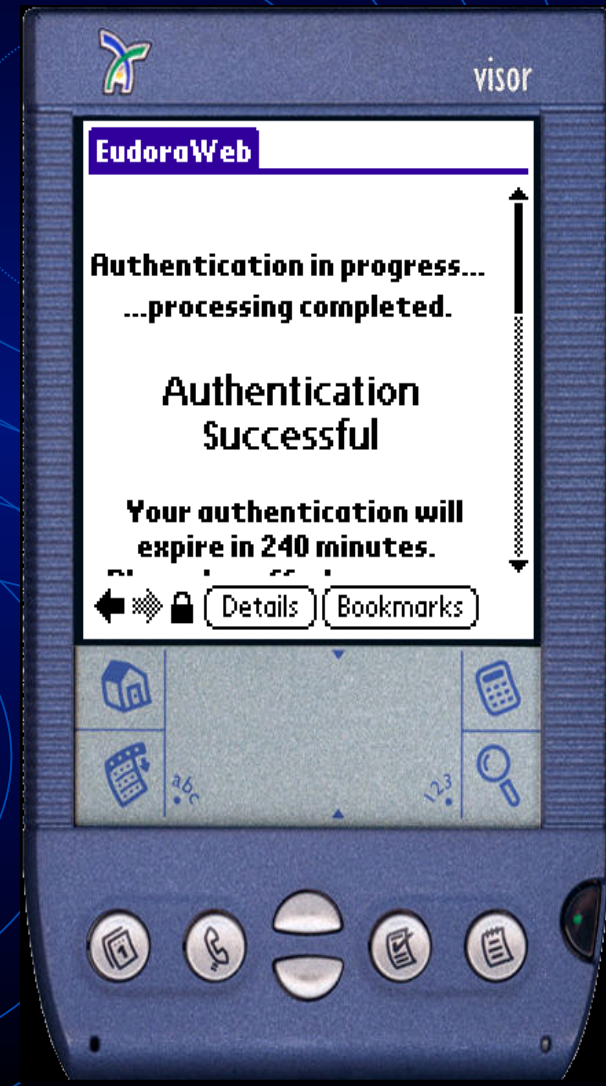
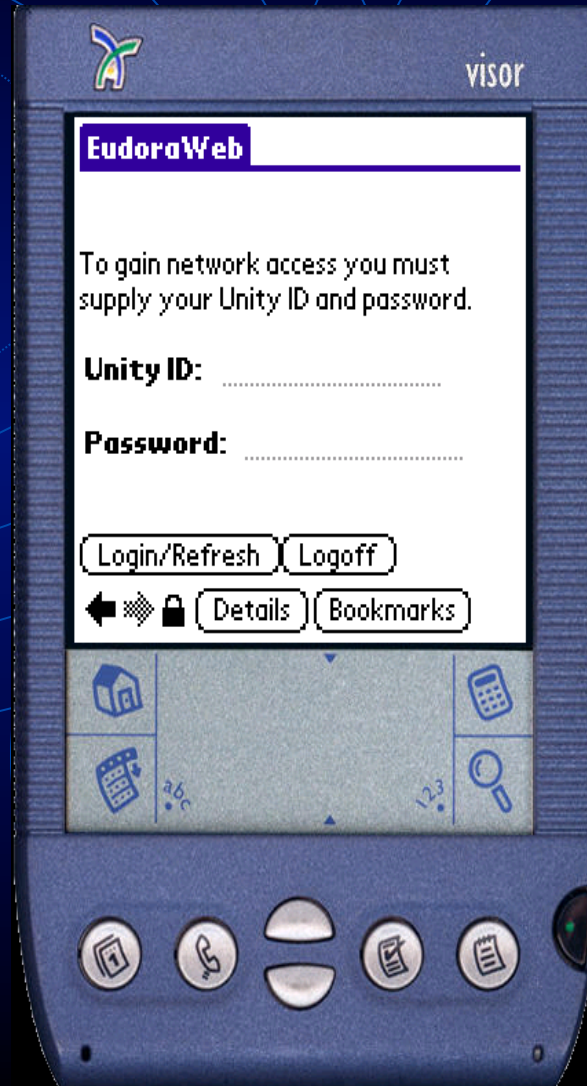
Papich Formulary

Adverse Ef	Contraindi	Dosing I
Generally saf	Aluminum de	Antacid d
Nephrotoxic	Drug interact	Once dail
Use cautious	Contraindicat	Dosing gui
Causes excit	Use cautious	Therapeu
Hepatopathy	Severe reacti	Oral dosin
Causes sedati	Adverse effe	Manufact
Multiple side	Use cautious	Doses are
Adverse effe	Use cautious	In cats, ef
Ammonium c	Do not use in	Doses are

Filters Find Again Done New Sort

Eudora Web – PDA Text Web Browser

- Login/Logoff onto CVM wireless network
- Authenticate Login/Logoff with Unity Id
- Access wireless network via nomadic computing
- Text based browsing
- URL Bookmarks



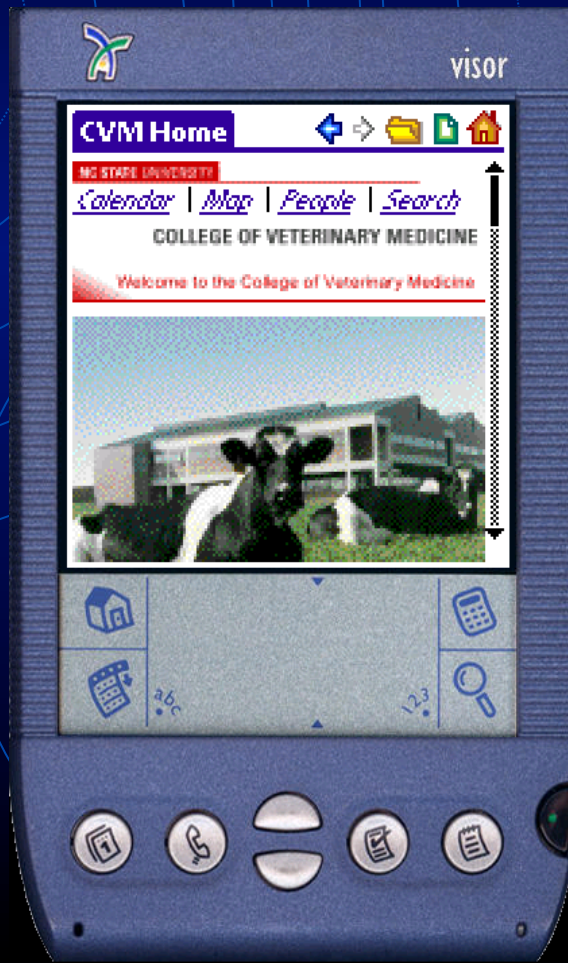
PDA Desktop

Blazer (PDA Graphical Web Browser)

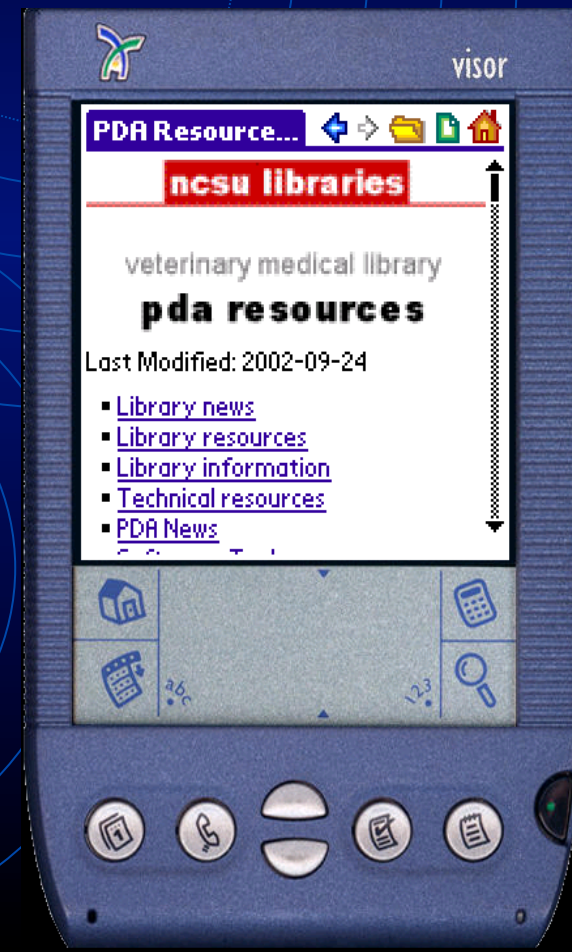
PDA Desktop



CVM Home Page

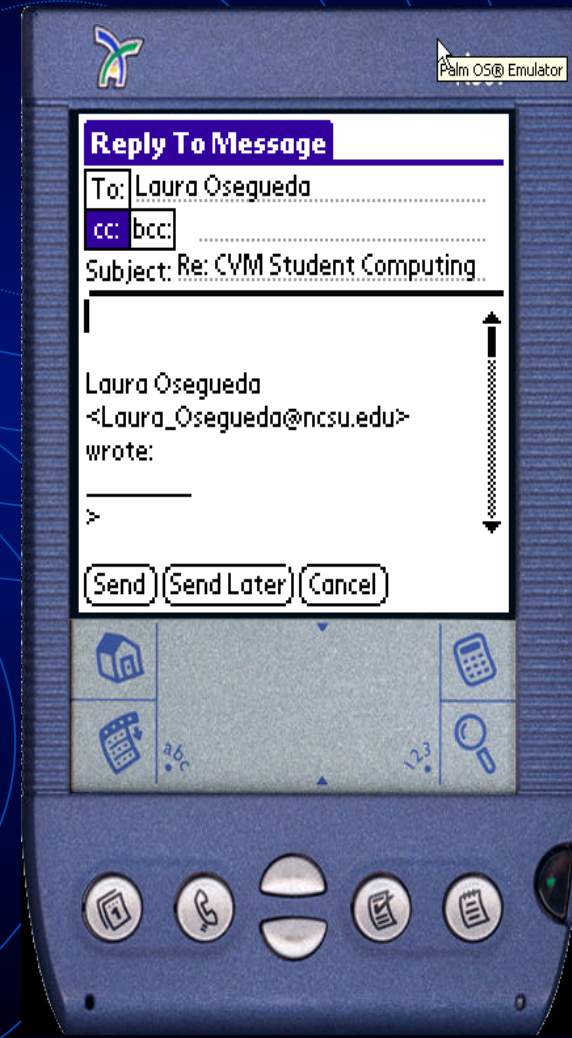
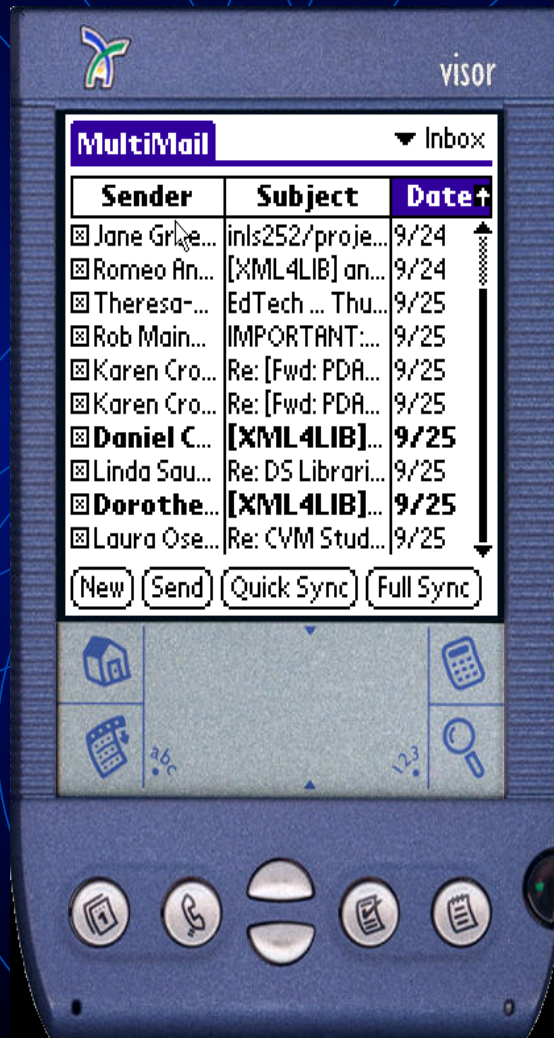


VetMed Library
PDA Home Page



Veterinary Medical Library PDA Resource Support

- Assist with CVM Mobile Computing Initiative PDA User Group Sessions of Introduction to PDA Hardware Distribution; Software Installs & HotSync; Basic Operations; Advanced Topics
- Investigate PDA memory expansions accessories
- Investigate PDA book purchase such as 5 Minute Vet, Plumb's VHB, Pocket DVM, Pocket DVM
- Assist with PDA use policies and agreement development and MultiMail application



Veterinary Medical Library PDA Resource Support

- Statistics on the number of page hits for the CVM Mobile Computing Initiative URL: <http://www.cvm.ncsu.edu/mobilecomp/>
- www2.ncsu.edu/misc/statistics/cvm-mobilecomp/

Top 17 of 39 Total URLs					
#	Hits		KBytes		URL
1	336	7.81%	4251	14.06%	/mobilecomp/
2	78	1.81%	558	1.85%	/mobilecomp/secure/swe_update.html
3	69	1.60%	522	1.73%	/mobilecomp/secure/wirelesslogon.html
4	52	1.21%	561	1.85%	/mobilecomp/secure/files.html
5	49	1.14%	497	1.64%	/mobilecomp/secure/wirelesscfg.html
6	42	0.98%	270	0.89%	/mobilecomp/purchase_advice.html
7	41	0.95%	295	0.98%	/mobilecomp/secure/multimailcfg.html
8	29	0.67%	140	0.46%	/mobilecomp/secure/eudoraweb_bkmrks.html
9	19	0.44%	210	0.69%	/mobilecomp/secure/desksync.html
10	12	0.28%	14000	46.31%	/mobilecomp/pdf/prism Ug_win.pdf
11	12	0.28%	64	0.21%	/mobilecomp/secure/rename.html
12	7	0.16%	47	0.16%	/mobilecomp/secure/batt_charging.html
13	5	0.12%	61	0.20%	/
14	2	0.05%	10	0.03%	/people/
15	2	0.05%	21	0.07%	/search/
16	1	0.02%	5	0.01%	/cvmadmin/calendar/
17	1	0.02%	7	0.02%	/directions/

Top 10 of 39 Total URLs By KBytes					
#	Hits		KBytes		URL
1	12	0.28%	14000	46.31%	/mobilecomp/pdf/prism Ug_win.pdf
2	336	7.81%	4251	14.06%	/mobilecomp/
3	52	1.21%	561	1.85%	/mobilecomp/secure/files.html
4	78	1.81%	558	1.85%	/mobilecomp/secure/swe_update.html
5	69	1.60%	522	1.73%	/mobilecomp/secure/wirelesslogon.html
6	49	1.14%	497	1.64%	/mobilecomp/secure/wirelesscfg.html
7	41	0.95%	295	0.98%	/mobilecomp/secure/multimailcfg.html
8	42	0.98%	270	0.89%	/mobilecomp/purchase_advice.html
9	19	0.44%	210	0.69%	/mobilecomp/secure/desksync.html
10	29	0.67%	140	0.46%	/mobilecomp/secure/eudoraweb_bkmrks.html

Top 9 of 9 Total Entry Pages					
#	Hits		Visits		URL
1	336	7.81%	253	81.61%	/mobilecomp/
2	42	0.98%	26	8.39%	/mobilecomp/purchase_advice.html
3	78	1.81%	17	5.48%	/mobilecomp/secure/swe_update.html
4	29	0.67%	3	0.97%	/mobilecomp/secure/eudoraweb_bkmrks.html
5	41	0.95%	3	0.97%	/mobilecomp/secure/multimailcfg.html
6	49	1.14%	3	0.97%	/mobilecomp/secure/wirelesscfg.html
7	52	1.21%	2	0.65%	/mobilecomp/secure/files.html
8	69	1.60%	2	0.65%	/mobilecomp/secure/wirelesslogon.html
9	1	0.02%	1	0.32%	/cvmadmin/calendar/

Other PDA Projects & Useful URLs

- <http://www.library.vcu.edu/tml/bibs/pda.html> (Virginia Commonwealth University)
- <http://educ.ahsl.arizona.edu/pda/index.htm> (Arizona Health Science Library)
- <http://msl.tamu.edu/MSL/LibSrvc/PDA.html> (Texas A & M University)
- <http://www.hsl.unc.edu/pda/hslpdaforum.cfm> (UNC Health Science Library)
- <http://gain.mercer.edu/library/pda/pdasw.asp> (Mercer University)
- <http://www.anmlr.com/links.htm> (Dr. Linda Cochran (Animal Doctor))
- <http://www.vetmed.iastate.edu/vetzone/newpda.asp>
- <http://www.pdaanaesthetic.com/>

Acknowledgements

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- Dr. Linda Cochran
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