

VIUS Reports 2.3

General Survey of Faculty

Study Implementation. A total of 2134 surveys for the 2001 Visual Image User Study (VIUS) were sent out October 16-19, 2001. To acquire a respectable response rate, follow-ups were also sent to respondents. A postcard reminder was mailed October 26, 2001, followed by another copy of the survey sent as a follow-up to the remaining 1885 non-respondents on November 5, 2001. The number of completed surveys was 875, providing a 41.0% response rate.

Respondent Demographics. Although we have yet to make a detailed comparison, respondents seemed reasonably representative of the Penn State University faculty. Over half of the respondents (54.5%) reported being a faculty member for 10 years or more. When examining appointment, 38.5% were tenured, 17.7% were tenure track, 29.1% were fixed term, and 14.8% were other. The majority of Faculty respondents were white (90.6%). Gender composition was 59.8% male and 40.2% female. See Appendices I and II for details of these demographic frequencies, as well as tables of the respondents by academic department, campus, and appointment.

Questionnaire & Raw Figures. The following pages contain the text of the paper questionnaire. They also contain figures to represent the responses to each question. Analysis of the open-ended questions has not yet begun.

Faculty Image Use Survey – Visual Image User Study

N=875 out of 2134 (41.0%)

(This representation of the questionnaire includes the full text, but not the formatting of the original.)

Definition of Images: For the purposes of this survey we are defining images as still pictures in any form and of any subject (but excluding images containing only text, such as an outline of a lecture or an excerpt from a book). Original works of art or unique historic artifacts are excluded from this survey, but reproductions documenting art or artifacts are included. We distinguish between analog and digital images as described below.

Analog Images: This term will be used for still pictures that are not in an electronic form, including photographs, slides, diagrams, drawings, maps, pictorial overhead transparencies, magazine and newspaper clippings, etc.

Digital Images: This term will be used for still pictures in electronic file formats (including jpg, tiff, gif, pict, bmp, etc.) It can also include images resulting from 3-dimensional modeling or graphic information systems. Digital images include those derived from analog images such as scanned photographs and slides.

SECTION 1:

1. Do you use analog or digital images for teaching, research, outreach, or other professional purposes? Yes No
649 (75.4%) 212 (24.6%)

If **Yes** then please skip directly to **SECTION 2**
If **No** then please continue.

2. If you do not currently use analog or digital images, do you foresee yourself beginning to use them within the next 3 years? Yes No
78 (35.9%) 139 (64.1%)

If **Yes** then please skip directly to **SECTION 3**

SECTION 2:

Regarding your use of analog and digital images for professional purposes, please indicate the relative importance you place on these activities. (1 = not important, 5 = very important)

653 responses, values are percentages

<i>Check one box for each phrase</i>	1	2	3	4	5
3a. Showing analog or digital images for group viewing.	2.8	2.8	11.8	19.4	63.2
3b. Arranging analog or digital images into sequences for presentation.	6.8	6.3	12.8	21.6	52.5
3c. Saving or recording sequences I have created for future use.	7.6	7.0	15.9	25.1	44.4
3d. Altering analog or digital images (cropping, changing contrast, file formats, resolution, colors, etc.)	17.4	17.0	22.8	21.9	20.8
3e. Scanning pictures to create digital images. Or having them scanned for me (including digital photo processing services).	13.3	13.6	18.7	22.4	32.0
3f. Using analog or digital images to illustrate printed papers, publications, reports, syllabi, etc.	14.8	16.7	19.9	21.5	27.2
3g. Using a digital camera to create digital images.	27.8	18.8	15.2	17.8	20.5
3h. Obtaining digital images through a Web search or from a Web site.	17.0	16.9	22.1	22.0	22.0
3i. Putting digital images on diskette, CD-ROM, or similar media for others to view.	22.6	13.3	20.0	21.4	22.6
3j. Posting digital images on web pages.	24.8	15.9	18.1	21.6	19.6
3k. Overlaying or superimposing analog or digital images.	39.8	24.3	17.6	10.9	7.3
3l. Selecting analog or digital images for students to review and study.	20.4	17.0	21.8	21.3	19.6
3m. Sending digital images via electronic mail.	26.0	17.7	22.5	20.2	13.7
3n. Creating image maps (digital images containing hot links).	43.4	21.6	19.8	8.9	6.3
4. Have you ever searched for digital images in the AMICO Library™ database?	___ Yes		___ No		
	17 (2.6%)		638 (97.4%)		
5. In the AP Multimedia Archive™ (formerly AP Photos Archive) library database?	___ Yes		___ No		
	37 (5.7%)		615 (94.3%)		
6. Approximately how many images do you use in a typical semester? (Please indicate with a numeral – not a range.)					
___ Analog images n=552, average 170 (s.d. 443), median 33, range 0-5000, 43 out of 552 (7.8%) used no analog images					
___ Digital images n=526, average 134 (s.d. 514), median 30, range 0-10000, 89 out of 526 (16.9%) used no digital images					

7. Approximately how many analog and digital images do you use in a typical semester? (Please indicate with a numeral – not a range.)

_____ For teaching **n=585, average 186 (s.d. 398), median 50, range 0-4000, 14 out of 585 (2.4%) used no images for teaching**

_____ For research **n=455, average 124 (s.d. 610), median 20, range 0-10000, 90 out of 455 (19.8%) used no images for research**

_____ For outreach activities **n=358, average 44.8 (s.d. 114), median 5, range 0-1000, 146 out of 358 (40.8%) used no images for outreach**

_____ For other professional purposes **n=340, average 71 (s.d. 556), median 5, range 0-10000, 128 out of 340 (37.6%) used no images other prof.**

Regarding your **ways of finding** analog or digital images, please indicate the relative importance you place on these activities. (1 = not important, 5 = very important)

638 responses, values are percentages

<i>Check one box for each phrase</i>	1	2	3	4	5
8a. By place names or geographic coordinates (Paris, France, 48:50:14 N 2:20:14 E, etc.)	47.5	15.4	16.1	8.8	12.2
8b. By chronological categories (1998-99, the Sung Dynasty, etc.)	39.0	16.6	15.0	14.7	14.6
8c. By name of the creator (architect, artist, engineer, etc.)	39.4	12.4	16.2	10.9	21.1
8d. By pictorial media (paintings, photos, maps, diagrams)	24.2	14.1	25.3	19.8	16.6
8e. By name of item depicted or theme (dog, Battle of Hastings, landmarks, etc)	19.4	7.3	17.0	26.7	29.5
8f. By visual similarity (to a picture I have or remember)	39.2	20.8	21.4	13.7	4.9
8g. By formal characteristics (color, texture, composition, style, etc.)	49.1	19.1	15.6	10.3	5.8
8h. By visual qualities which are not predetermined (I'll know it when I see it)	34.4	15.4	21.9	17.3	11.0

When looking for and using analog or digital images, please indicate the relative significance of these obstacles. (1 = not significant, 5 = very significant)

623 responses, values are percentages

<i>Check one box for each phrase</i>	1	2	3	4	5
9a. Too few good sources (collections, compilations, etc.)	21.6	13.3	22.6	24.3	18.2
9b. Too many pictures and sources	37.3	24.4	23.6	10.7	4.0
9c. Your way of searching does not match the way the pictures are organized/identified	25.8	18.6	29.3	18.3	8.0
9d. The right equipment is unavailable.	33.6	21.8	19.1	15.3	10.2
9e. The equipment is too hard to use.	33.9	25.5	19.6	13.8	7.2
9f. Poor quality reproduction.	22.7	19.1	25.7	19.3	13.2
9g. The images are insufficiently documented (identified, dated, etc.)	27.3	21.4	23.1	18.8	9.4
9h. Loan, permissions, or copyright considerations.	23.5	13.2	19.7	21.0	22.6
10. Do you make use of a collection of analog or digital images managed by a department, center, museum, library (not including the pictures in books or magazines), or other university service?	___ Yes				___ No
	166 (25.5%)				485 (74.5%)

11. Do you personally maintain or oversee the maintenance of a collection of analog or digital images for professional use? ___ Yes **282 (44.1%)** ___ No **357 (55.9%)**

If so, please estimate the number of images. *(Please indicate with a numeral – not a range.)*
 _____ **n=274, average 2011 (s.d. 4625), median 500, range 7-50,000**

If you do maintain such a collection, please consider taking part in a separate survey of people who maintain this type of collection. Are you interested in participating in that part of our study, or learning more about it? ___ Yes **116 (42.2%)** ___ No **159 (57.8%)**

SECTION 3

:

For each of the following statements, please indicate your level of agreement.

(1 = disagree strongly, 5 = agree strongly)

715 responses, values are percentages

<i>Check one box for each phrase</i>	1	2	3	4	5
12a. I am comfortable using computer technology as part of my daily work <i>outside</i> the classroom.	1.8	4.4	7.9	34.7	51.2
12b. I am comfortable using computer technology as part of my teaching <i>in</i> the classroom.	7.9	17.5	17.7	25.6	31.3
12c. The University provides access to computer technology that would enable me to use digital images.	4.2	11.4	27.5	35.3	21.6
12d. Classrooms with hardware for projecting digital images are available.	6.8	14.4	20.7	37.1	21.0
12e. In relation to my professional activities, digital images generally have significant functional advantages over analog images.	7.1	14.2	30.8	25.5	22.3
12f. Digital images are generally easier to <i>use</i> than analog images.	9.2	14.8	32.3	24.0	19.7
12g. Digital images are generally easier to <i>organize</i> than analog images.	6.0	9.1	31.9	29.6	23.4
12h. Digital images can be used to design assignments that are not possible with analog images.	5.0	6.5	43.0	27.6	17.9
12i. It is likely that I will increase my use of <i>analog</i> images during the next 3 years.	14.9	28.9	31.0	17.2	8.0
12j. It is likely that I will increase my use of <i>digital</i> images during the next 3 years.	3.8	5.0	16.1	41.8	3.3

The next few questions concern the potential of a digital image delivery system for Penn State. For the purposes of this survey, please make the following assumptions about this system when answering the questions.

Assumptions: Via the Internet, you will be able to search for and retrieve good quality digital images from a system containing a large number of diverse images, including many in your field. You will be able to recommend that specific images be added to the system. You will also be able to create sequences, save them, name them, and display images side-by-side for comparison. Images could also be downloaded for use with other software.

Please indicate your agreement with the following statements regarding this type of digital image delivery and manipulation system. (1 = disagree strongly, 5 = agree strongly)

716 responses, values are percentages

<i>Check one box for each phrase</i>	1	2	3	4	5
13a. This type of image delivery system would be useful for my professional work.	2.6	4.6	16.0	38.0	38.8
13b. It would be useful for my students' learning.	1.4	3.6	16.7	39.9	38.4

14. Please indicate in which area, if any, such a system would help you the most.

___ Teaching	___ Research	___ Outreach	___ None
579 (80.9%)	159 (22.2%)	111 (15.5%)	39 (5.4%)

The most useful aspect of such a system would be: *(please choose only three)*

15a. ___ It would encourage me to try digital images	215
15b. ___ Access to images from a variety of disciplines	160
15c. ___ Access to a larger number of images than now	339
15d. ___ Reducing my need for storage space	109
15e. ___ Reducing my labor in gathering and managing images	331
15f. ___ No need to travel to an analog collection	57
15g. ___ Copyright & permissions sorted out for me	329
15h. ___ Since I would be using copies, there would be no need to keep track of originals	49
15i. ___ Accessibility for my students	276
15j. ___ Easier than checking many separate sources	162
15k. ___ Providing simple presentation tools so that I won't need presentation software (such as PowerPoint)	112
15L. ___ Other: <i>(please explain)</i> _____	21

My greatest area of doubt about the development of such as system is: *(please choose only three)*

16a. ___ That the content of the images collected suit my areas of interest	447
16b. ___ That the documentation of the images will be insufficient	112
16c. ___ That the language used for the images won't match my search terms	138
16d. ___ That it would be difficult to add any new images I want to the system	88
16e. ___ That it would be difficult to use the system's images with those I keep	69
16f. ___ That I will still need a separate system	166
16g. ___ That I won't be able to keep my notes and other data together with the images	109
16h. ___ That it would be too hard to learn to use	213
16i. ___ That the quality of the digital images will be inadequate	112
16j. ___ That such a system is unnecessary, since there are plenty of good digital images available now	53
16k. ___ That still images will be much less important than digital video and animations for my work	38
16L. ___ That other technical matters (access to good equipment, reliable networking, etc.) will interfere	266
16m. ___ Other: <i>(please explain)</i> _____	57

Section 4:

17. Department: _____

18. College: _____

19. Penn State Campus: _____

University Park 512

20. Type of Appointment: *(please choose only one)*

<input type="checkbox"/> Tenured	331 (38.5%)	<input type="checkbox"/> Tenure track	152 (17.7%)
<input type="checkbox"/> Fixed term	250 (29.1%)	<input type="checkbox"/> Other (please specify)	127 (14.8%) _____

21. Number of years you have held a faculty position in higher education: _____

N=763, average 13.3 years (s.d. 10.7), median 10 years, range 0-54

22. Gender:

<input type="checkbox"/> Male	<input type="checkbox"/> Female
505 (59.8%)	340 (40.2%)

23. Race/ethnicity:

<input type="checkbox"/> African-American	<input type="checkbox"/> Asian	<input type="checkbox"/> Hispanic
17 (2.1%)	22 (2.7%)	9 (1.1%)
<input type="checkbox"/> Native-American	<input type="checkbox"/> White	
3 (0.4%)	738 (90.6%)	
<input type="checkbox"/> Other <i>(please specify)</i>	_____	
26 (3.2%)		

24. *Optional:* Any comments you may have about any of the topics in this questionnaire, or suggestions for this project, are welcome. Please write on this form.

If you have questions about this survey or the VIUS project please contact Jim Frost, Project Associate (jxf17@psu.edu or 865-6697) or consult the information at <http://www.libraries.psu.edu/pubinfo/news/mellongrant.html>

Please return this survey in the enclosed envelope or send to Faculty Image Use Survey, Survey Research Center, N250 Burrowes Building.

Thank you for your participation.

James D. Frost
2/2002

Faculty Survey Demographics

Response Rate by Campus

	%	N
University Park	40.34	539
Allentown	29.41	5
Altoona	47.25	43
Beaver	43.48	10
Behrend	48.72	38
Berks	36.54	19
Delaware	42.59	23
Du Bois	33.33	10
Fayette	31.25	5
Grt Valley Ctr	0.00	0
Hazleton	58.97	23
Hershey Medical Center*	100.00	5
Mc Keesport	50.00	11
Mont Alto	33.33	10
New Kensington	45.83	11
Ogontz	34.88	30
Penn State Abington Campus	66.67	2
Penn State Beaver Campus	0.00	0
Penn State Berks Campus	66.67	2
Penn State Dubois Campus	0.00	0
Penn State Erie Campus	60.00	3
Penn State Fayette Campus	0.00	0
Penn State Hazleton Campus	0.00	0
Penn State Hbg	31.43	11
Penn State Mont Alto Campus	50.00	1
Schuylkill	37.04	10
Shenango Valley	47.06	16
Wilkes-Barre	31.43	11
Worthn-Scranton	32.35	11
York	29.55	13

* Humanities Faculty

Response Rate by Appointment

	%	N
FT1	39.13	99
FT2	38.10	208
FTM	38.36	56
STN	41.97	499

Other Faculty Demographics

	%	N
Gender		
Male	59.8	505
Female	40.2	340
TOTAL	100.0	745
Race		
African American	2.1	17
Asian	2.7	22
Hispanic	1.1	9
Native American	.4	3
White	90.6	738
Other	3.2	26
TOTAL	100.0	815
Years held faculty position		
< 1	1.6	12
1-2	14.2	107
3-5	15.5	117
6-9	13.6	103
10-20	30.6	231
> 20	24.5	185
TOTAL	100.0	755
Appointment		
Tenured	38.5	331
Tenure track	17.7	152
Fixed term	29.1	250
Other	14.8	127
TOTAL	100.0	860

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2/2002