

Draft – 13 February 2001

**Concerns, Needs, and Dreams
for Lecture Halls 12A, 12, and 12B
with additional consideration of future renovations to CSC-130 & 132**

Due to the short time scale, we are posting this for all to see and contribute to, even though we recognize the draft is far from complete. Please feel free to e-mail your suggestions or concerns to any one of us, or come to our Tuesday, 9:00 am meeting in CSC-706.

Charge to the Committee (in memo dated 1 Feb 2001):

"Your charge is to review the uses and inadequacies of Rooms 12, 12A, 12B, 130, and 132 and to recommend how these rooms should be modified to best serve our teaching needs. This will include a recommendation for seating in those rooms where replacement seating is needed. We are all aware that we need more and better projection capabilities in all of those rooms. We need good internet access and a technology that encourages the use of computers for presentations."

The complete memo can be found elsewhere. Importantly, it points out that: "Your first draft of the plan should be ready no later than March 10, 2001." We are therefore working on an extremely tight time schedule.

How is this report organized?

Miscellaneous comments/issues/etc. – This section contains notes that do not fit elsewhere with how the report is current organized.

The "Miscellaneous" section is then followed by a series of bulleted items that each touches upon one issue. Each issue thus raised then has a comment (or a space for a comment) for each of the five classrooms being considered.

Miscellaneous comments/issues/etc.

- Committee Activities included...
 - 1st Committee Meeting, Tuesday, 6 Feb 2001, 9-10 am (KJ, EW, JG).
 - Meet with Sam Conte (Registrar), Rich (Facilities), Mike Areth (Media Services), and Ed Gyurisin (CIDDE Engineer) (EW, JG, RC).
 - 2nd Committee Meeting, Tuesday, 13 Feb 2001, 9-10 am.
 - Meet to visit Classrooms @ 7:30 on Thursday, 2/15/01, in Chevron Lobby.
- It is assumed that both the registrar and the department are aware that the three lecture halls are all simultaneously available only for construction work beginning with the end of the Spring term 2001 and continuing until the start of Fall term 2001. Furthermore, it is assumed that the renovations will be completed by the start of the Fall term 2001.
- We briefly discussed, but decided we did not have time to address in detail at this time, how the lecture hall renovations would hinder/help “**cheating**”.
- The renovation should ensure that adequate **temperature controls** are in place and always functioning (too many student complaints are currently received about the lecture halls being too hot or too cold).
- All **blackboards** surfaces must be replaced with brand new boards that can easily be seen by the most remote student. (Permanently mounted whiteboards and electronic whiteboards do not appear to be practical in 12A, 12B, or 12 at this time though they may be appropriate for 130/132.)
- A checklist of **weekly maintenance** of all audiovisual equipment should be established and a workstudy student detailed to complete that checklist. List should include cleaning of optics and cases, checking for tangled or missing cables, ensuring all lamps are functioning, ensuring batteries are working and spares are on hand, as well as taking broken equipment to the correct unit for repair and/or replacement. Likewise weekly maintenance of the computers should be performed (e.g., cleaning up after the myriad of users that week), including upgrading and installing new software as requested by the lecturers.
- It is assumed that in 12A, 12, and 12B, the major **projection area** will be the wall above the chalkboards. This will necessitate removal of the sound baffling installed on those walls in 12A and 12B.
- **Periodic tables** will be available via the data projector/computer hookup, using any of a number of excellent available over the web. Someone will have to be detailed to select the appropriate one and have it set up on each of the data systems in each of the lecture halls. Who will do that?
- We anticipate that increasingly, educators will need to **simultaneously** use several images as well as the blackboard.
- **Security** of all permanently installed, and all portable technology items must be carefully considered and correctly implemented.
- It is assumed that wireless mics, and all portable technology will be **available in the lecture halls** (obviating the requirement that mics used on the 1st floor must be obtained from the 2nd floor).

- **Audience response systems** for the lecture halls, if used, will be wireless (RF or IR) and are not further considered herein. We encourage the Department to seek funding to establish this capability in the appropriate scale for the number of students in 12.
- The **projector booths** at the back of each lecture hall will be used to house the data projector and possible other equipment.
- The **signage**, indicating where the various lecture halls are should be permanently increased and improved – obviating the necessity of the routine pasting of paper signs each term. This may include an appropriate sign just inside the lobby doors – perhaps on the doors to the Ashe Auditorium.
- The eventual move of the **JCC** from the its current location to Eberly Hall, and the "reclamation" of CSC-135 as a classroom was discussed.

- ▶ What is the **current capacity** of the classroom and the **target capacity** after renovation?

	Current	Target
Lecture Hall 12		remains the same
Lecture Hall 12A		remains the same
Lecture Hall 12B		remains the same
Classroom 130		
Classroom 132		

- ▶ What campus classrooms could we and did we **visit**?

Could	Did
Masonic Temple	
Thaw Hall 11	
Thaw Hall 102	
Thaw Hall 104	
Mervis 110	
Mervis 75	
Lawrence Hall 121	
Clapp L9	
Langley small lecture halls	
Law Building 107	
Engineering	

Meet 7:30 am in Chevron Lobby, Thursday, 2/15/01 to visit Lawrence & Mervis

- ▶ What **acoustical problems** need to be fixed?

Lecture Hall 12	“Leakage” of amplified voice into Lecture halls 12A & 12B. Inadequate sound system with lack of lecturer accessible controls. Microphone not stored in the Lecture hall. Fix echo (i.e., damp) in this hall like was done in 12A and 12B.
Lecture Hall 12A	“Leakage” of amplified voice from Lecture hall 12. Inadequate sound system with lack of lecturer accessible controls. Microphone not stored in the Lecture hall.
Lecture Hall 12B	“Leakage” of amplified voice from Lecture hall 12. Inadequate sound system with lack of lecturer accessible controls. Microphone not stored in the Lecture hall.
Classroom 130	One of 130/132 has a really noisy fan – fix!
Classroom 132	One of 130/132 has a really noisy fan – fix!

► What aspects of the **room lighting** should be improved?

Lecture Hall 12	Rewire the 4x4 fluorescent light panels so that half of the tubes in any one panel can be turned on AND the panels in the front half of the classroom are controlled independently of the panels in the back half of the classroom. All lights (including board lights) must be controlled from one location. Retain the adjustable incandescent house lights.
Lecture Hall 12A	Front Spots are not useful as currently configured. Rewire the 4x4 fluorescent light panels so that half of the tubes in any one panel can be turned on AND the panels in the front half of the classroom are controlled independently of the panels in the back half of the classroom. All lights (including board lights) must be controlled from one location. Retain the adjustable incandescent house lights.
Lecture Hall 12B	Front Spots are not useful as currently configured. Rewire the 4x4 fluorescent light panels so that half of the tubes in any one panel can be turned on AND the panels in the front half of the classroom are controlled independently of the panels in the back half of the classroom. All lights (including board lights) must be controlled from one location. Retain the adjustable incandescent house lights.
Classroom 130	
Classroom 132	

- All existing lights need to be routinely maintained – too many burned out fluorescent tubes currently exist in (at least) 12A.

► What is the preferred **student workspace**?

	Current	Target
Lecture Hall 12	2-person table	Remove all tables and replace with tablet chairs, 15 chairs per row, with 2 outside aisle and 2 interior aisles (i.e., sets of 5 chairs flanked by aisles). Remove and do not reinstall chairs on the current bottom row.
Lecture Hall 12A	tablet chairs	replace in kind with largest possible desk space
Lecture Hall 12B	tablet chairs	replace in kind with largest possible desk space
Classroom 130	1960's desk chairs	tables?
Classroom 132	1960's desk chairs	tables?

(We do not envision requesting electrical outlets or data ports for each student in any of the three lecture halls at this point. We do envision equipping either or both 130/132 with AC outlets and/or dataports or a wireless internet connection system.)

► What is the preferred **lecturer's benches**?

	Current	Target
Lecture Hall 12		Replace current tops. Paint or replace cabinets (aesthetic purposes mostly). Divide current bench into 3 separate benches. Leave outside 2 in current location – these serve as the wet chemistry demo benches. Move center section forward to serve as electronics area etc. (See separate sketch, 12-Benches)
Lecture Hall 12A		Replace current top. Divide top into two parts – wet area and electronics/notes area. Division is to include a physical "backsplash" type separation between the two halves.
Lecture Hall 12B		Replace current top. Divide top into two parts – wet area and electronics/notes area. Division is to include a physical "backsplash" type separation between the two halves.
Classroom 130		Yet to be considered
Classroom 132		Yet to be considered

An important concern here is to clearly separate the wet chemistry bench from the electronics bench which also simultaneously eases the problem of "residue and spills" left from the previous lecturer's demos interfering with the next lecturer's use of the desktop for notes and electronic device usage.

► What **technology** should be permanently mounted/installed in each room?

	12A	12	12B	130	132
Campus Phone	v	v	v	v	v
Data Copy Stand (Elmo?) – image projected via the data projector. Will a permanently mounted device such as this serve the needs of many current uses of overhead projectors?					
Data projector capable of 3D images	v	v	v	v	v
PC (including CD & DVD playback capability; zip disk).	v	v	v		
Location/support for lecturer's portable	v	v	v	v	v
Video camera – projected via the data projector, to allow demo's to be displayed on the wall.	v		v		
Permanent internet access to installed PC	v	v	v	v	v
Second port for the lecturer's portable	v	v	v	v	v
Permanently installed slide projector		v	v		
VCR Playback Unit					

► What **technology** should be available as a portable device for each room?

	12A	12	12B	130	132
Really good overhead projector	v	v	v	v	v
Slide projector	v			v	v