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Student Technology Fee Grant Funding Request Form
Northwestern State University of Louisiana

2006.022

Proposal Number

Committee # 2

Prepared by: Dr. Roger Held Department Theatre

College or Unit: Liberal Arts Campus: Natchitoches Priority 3

Information Systems review by Jucy Date 2/20/06

1. Describe target audience. (0 points) The target audience consists of several student circles. At the Center of the target are a growing number of students specializing in the Theatre Design and Technology Concentration of the new Bachelor of Science Degree. These students will use the equipment requested in this grant in the execution of preliminary projects and in their senior thesis project. The next circle consists of students who use the equipment in classes including both courses in Stage Lighting and Lighting Design. The outer ring of the target is comprised of all the students who attend theatre productions, as the use of this equipment will allow for more sophisticated lighting and design applications to enhance performance.

2. Describe project/initiative for which you are requesting funds. (10 points)
The project consists of the acquisition four VL1000 automated ellipsoidal reflector spotlights. These instruments are completely portable and will operate in either The Fredericks Theatre or Theatre West.
The VL 1000 is a version of an "intelligent lighting" instrument, which focuses and changes color, beam width, direction and intensity in response to computer commands.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project. (10 points)
The first and major objective is to provide students the opportunity to operate and design for the state-of-the-art instruments used in major theatres around the nation and as a matter of course in touring musicals and rock shows. The use of the equipment will be taught in classes and will be available for students to use in production and senior thesis project.

4. Indicate how each project objective will be evaluated. (10 points)
The measure of this objective is the number of times the equipment is used in class and in production. The Lighting Designer, Eric Marsh, will maintain a log the use of the equipment for three years to demonstrate its increased use.
In addition, the score given to the question regarding the use of technology on the senior exit interview should increase over the next three years.

5. Provide a justification for funding of the project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group. (10 points)

Twenty percent of Theatre Majors are in the Design and Technology Concentration; in addition, all theatre majors take at least one course in Design. Some one hundred-ten students will have access or exposure to the use of the equipment. Twenty students will make multiple-use of the equipment in classes and for production projects. Department recruiting policy aims to increase the percentage of Design and Technology Students to thirty to thirty-five percent of the total students enrolled. So, in the future demand for the equipment will increase.

If students graduating in Theatre Design and Technology are going to be competitive in the marketplace and in applying to ranked graduate schools, they must be competent in the basic and specialized equipment common to the profession.

6. How will funding of the project advance the University and College / unit technology plan? Which NSTEP objective/s will this funding benefit? (15 points)

The Department Technology Plan of 2003-2004 outlines several steps to improve student access to and use of lighting equipment. In 2003-2004, a Board of Regents Enhancement Grant was written for replacement of the lighting control systems. Those systems were replaced in the summer of 2005. In addition, funding was provided for the acquisition of standard stage lighting instruments for the Fredericks Theatre. With the standard lighting technology in place, this grant makes available to students the state-of-the-equipment they will find being used in the profession.

The proposal relates directly to NSTEP objectives one and three. Objective one is to improve student access to appropriate technology. Objective three is to upgrade student laboratories with the up-to-date technologies in support of their educational training. The acquisition of the equipment contributes to the achievement of both these objectives while supporting the Theatre's bid for renewed accreditation by the National Association of Schools of Theatre.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project. (0 points)

Eric Marsh, the Lighting Designer and Facility Manager will coordinate the use of the equipment. Mr. Marsh has an MFA in Theatre design and Technology.

8. Describe any personnel (technical or otherwise) required to support the project/initiative. (5 points)

No specially trained personnel will be needed to install the equipment.

9. Provide a schedule for implementation and evaluation. (5 points)

The equipment can be assembled and put in service the day it arrives.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years. (0 points)

If cared for, the working life of the VL 1000 is ten years or more.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received. Equipment will not be purchased until an acceptable policy is in place to ensure equipment security. (15 points)

The electric shop, where the equipment will be stored, is fitted with a special computerized lock and recording device and the number of keys are limited to faculty members who are present while the shop is in operation.

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|---|
| <p>12. Attach a detailed budget, including: specs., description, cost, state contract number, and vendor for each item; cost of outside support personnel; and a description of how the proposal will support University/College/unit resources (i.e., cash match, funds from other sources, or reallocation of existing hardware/software or other equipment). (20 points)</p> |
| <p>13. Attach a letter of support for the project signed by the requesting unit's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests). (0 points)</p> |

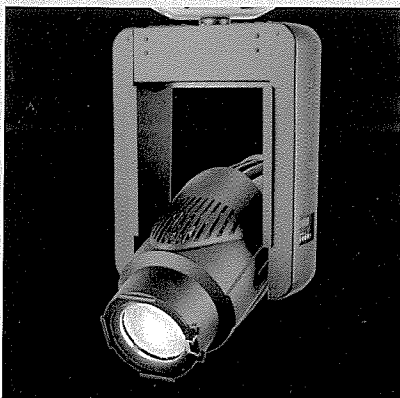
12. Budget:

VL 1000	\$5,100 ea
Total \$20,400	

Prices are retail list unless otherwise noted. Discounts may be available at the time of purchase.

Specifications are provided on the attached pages and provide significant detail and possible vendors.

In terms of matching funds, the University invested \$25,000 for the new lighting system. The Theatre Department has paid for security the locks and keys to the Electrics Shop and provided the research, and labor for most of the renewal effort.



The VARI*LITE® VL1000™ ERS luminaire combines the functionality of one of the most popular conventional lighting tools — the ellipsoidal reflector spotlight — with the versatility of an automated luminaire.

Automated functions include CYM color mixing, rotating gobos, variable diffusion and a zoom lens that ranges from 19° to 36° for normal imaging and a super zoom function that ranges to 70°.

Versions VL1000TD, VL1000TID and VL1000TSD deliver 10,000 lumens with the consistent color temperature of a tungsten source. The VL1000TSD model includes an automated, four-blade shutter mechanism that provides control of all shutter functions popular in conventional ellipsoidal reflector spotlights. Model VL1000TID includes a beam size iris.

Each of these versions is supplied with an Entertainment Technology silent IGBT electronic dimmer built into the light.

VL1000™

automated ellipsoidal
reflector spotlight

Tungsten with Internal Electronic Dimmer

Programmable Functions

- Zoom Optics:** Continuously variable field angle in imaging range from 19° to 36°; super zoom angles to 70° is programmable over a timed range of 2 seconds to 20 minutes.
- Color Mixing:** A fully cross-fading CYM color system is included.
- Diffusion:** Field or gobo can be continuously and smoothly diffused to wash.
- Dimmer:** Internal silent IGBT electronic dimmer.
- Rotating Gobo Wheel:** Six-position rotating gobo wheel with five rotatable, indexable gobo positions and one open position.
- Shutter (Framing Models):** Four-blade system can frame and crop beam field and gobos. Each individual shutter is capable of translating to beam center while also rotating $\pm 35^\circ$. Entire shutter rotates $\pm 45^\circ$.
- Beam Size Control (Iris Models):** In addition to the zoom optics, a mechanical iris provides continuous beam size control for both rapid changes and smooth timed beam angle changes.
- Pan & Tilt:** Smooth, timed continuous motion using stepper motors with encoder correction. Pan range is 540°; tilt is 270°. Resolution is 0.1°. Unit will calibrate to support close hangs (yoke-to-yoke).

Description

- Source:** 1000 W Tungsten Halogen Lamp Color Temp: 3200K
Output: 10,000 Lumens
Rated Life: 300 Hours
- Power Requirements:** 11A at 115 volts and 6A at 230 volts.
- Reflector:** Precision glass reflector with dichroic cold mirror coating.
- Operational Temperature:** -20° to 122°F (-29° to 50°C).
- Cooling:** Free convection cooling when hung. Floor mounted units and extreme ambient temperatures activate a low-noise, forced-air cooling system.
- Control:** Completely compatible with a wide variety of DMX512 consoles.
- Mounting Position:** The VL1000 ERS luminaire can be mounted and operated in any orientation.
- Spacing:** Full range of motion on 26.5" centers. Hangs as close as 20.0".
- Weight:** 72 lbs (32.65 kg).

Accessories

- 71.2554.0100 1000 Watt Tungsten Lamp, 100 VAC
71.2554.0115 1000 Watt Tungsten Lamp, 115 VAC
71.2552.0230 1000 Watt Tungsten Lamp, 230 VAC
55.6840.0001 Truss Hook, Mega-Clamp, Round and Square
55.6841.0001 Truss Hook, Mega-Claw for 2" Round Tube
41.6010.XXXX Gobo, VL1000 (Specify pattern from catalog to complete P/N.)



VARI*LITE®
Express yourself.
a GENLITE THOMAS company



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To: Jennifer Long,
Student Technology Fee Grant Coordinator

From: Donald Hatley, PhD
Dean, College of Liberal Arts

Date: 21 October 2005

RE: Theatre Proposals

The Theatre Department is submitting three projects to be funded. I concur with the need for the equipment specified and the priority given to the projects.

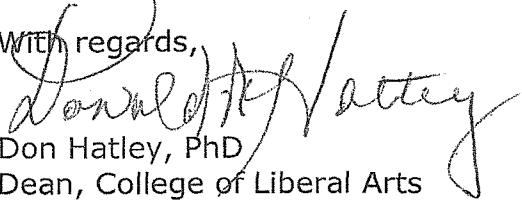
The first grant is for dress forms and safety equipment in the Costume shop. The safety equipment is of course a priority as protecting our students is essential. The Dress forms are particular important I because of the need to rebuild the costume collect. The collection was damaged by water in the basement of Frederick much of the materials had to be destroyed. So the need is greater than ever to build new costumes rather than reusing previously built items. To do the job well takes the right equipment.

The second grant request is for the software to update and upgrade the computer lab for theatre design students,. This is a priority for developing the design and technical part of the program. Having the appropriate programs available to students will help make the case for reaccrediting the Theatre program. Graduating from an accredited program benefits our students in seeking graduate schools and professional employment.

The third grant proposal seeks the funding of automated lighting instruments. *The acquisition of these instruments will make our Theatre Department the only program in the State that will have the capability to teach the use of "intelligent" lighting instruments. Again this helps our student have an edge of the competition at graduation.*

Thanks for good work to improve the education of our Liberal Arts Students.

With regards,


Don Hatley, PhD
Dean, College of Liberal Arts



NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA
Natchitoches, LA 71497

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Watson Library, Room 113

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January 19, 2006

Dr. Roger Held
Theatre
CAPA
Natchitoches, LA 71458

Dear Dr. Held,

We regret to inform you that STAT (Student Technology Advisory Team) did not recommend funding of your proposal. Unfortunately, there was simply not enough money to fund all of the many excellent proposals that were submitted for consideration.

I will be glad to discuss with you the concerns that the committee expressed. I hope you will consider resubmitting additional proposals for consideration for funding in the future.

You are commended for, and encouraged to continue your efforts to enrich the learning environment at Northwestern State University.

Sincerely,

Jennifer Long
Student Technology Fee

cc: Mr. Bill Brent