**In FY94, Central State University established a Center for Scientific Visualization (CSV) using state-of-the-art technology in an interdisciplinary approach to solving problems in research.**

The primary objective of the CSV are as follows: 1) provide an environment for multiple disciplines to work together at science teams; 2) support undergraduate and faculty research projects requiring advanced visualization techniques; 3) serve as a testbed to develop new visualization mechanisms; 4) support undergraduate courses which prepare students to utilize advanced computer graphic, image processing and visualization techniques in research environment.
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PROGRESS/FINAL REPORT
U. S. AIR FORCE INFRASTRUCTURE EQUIPMENT REQUEST

In FY '94, Central State University established a Center for Scientific Visualization (CSV) using state-of-the-art technology in an interdisciplinary approach to solving problems in research.

The primary objectives of the CSV are as follows: 1) provide an environment for multiple disciplines to work together as science teams; 2) support undergraduate and faculty research projects requiring advanced visualization techniques; 3) serve as a testbed to develop new visualization mechanisms to aid in teaching difficult mathematics, scientific and engineering concepts; 4) support undergraduate courses which prepare students to utilize advanced computer graphics, image processing and visualization techniques in a research environment.

The Center was built upon the existing expertise and resources of the manufacturing engineering, science, mathematics, computer science and art departments.

Central State University requested and received funding from the Department of the Air Force, Office of Scientific Research to assist in developing the infrastructure for the Center.

Attachment A lists the instrumentation that was purchased and is being used to achieve the objectives of the programs in the Center.

As a part of its commitment to establish and maintain the Center for Scientific Visualization, the University provided, through its capital improvements budget, funds to renovate space to house the Center. In addition, University funds were used to purchase additional equipment. The University will continue to provide the resources for the maintenance and upkeep of the facility.

During the developmental stages of the CSV and the proposal to the Department of the Air Force for infrastructural development, Ms. Gloria Brown-Simmons was the Director for the Center and Principal Investigator for the project. Pursuant to the award and the completion of the project, i.e., purchasing equipment and supervising its installation, Ms. Brown-Simmons left Central State to assume another position. Pursuant to her departure, in June 1994, Ms. Dianne Love, Assistant Professor in the International Center for Water Resources Management was appointed as Director of the Center for CSV and Project Director for the infrastructure development projects.
## U.S. AIR FORCE EQUIPMENT PURCHASE REPORT

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### By

Distribution:

- Availability Codes:
  - Dist: A-1
  - Avail and/or Special: [ ]

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*ATTACHMENT A*
**Purch. # Order**

**Central State University**

Wilberforce, Ohio 45384

513 376-6350

Silicon Graphics, Inc.

To: 2011 N. Shoreline Blvd.

M/S 17L-120

Mountain View, CA 94043

Mark Kelley

**Compiling Order**

**Lines** | **Catalog** | **Description** | **Quantity** | **Unit** | **Unit Cost** | **Extended Amount**
---|---|---|---|---|---|---
001 | D-42602 | Onyx VTX Graphics Deskside Workstation, 4 MB texture memory, 2x100 MHz R4400, 64MB memory, 1 IMB | 1 ea | ea | $71,238.00 | $71,238.00

002 | SD8-2 | 2GB SCSI-2 FAST/WIDE Differential System Disk for all CHALLENGE and ONYX systems | 1 ea | ea | 5,696.00 | 5,696.00

003 | P8-T4V2 | 5GB 8mm Internal Drive for all CHALLENGE and ONYX systems | 1 ea | ea | 4,745.00 | 4,745.00

004 | P8-CDROM | 680MB CD FOR ALL CHALLENGE AND ONYX SYSTEMS | 1 ea | ea | 945.00 | 945.00

005 | SC4-ID0-5.1 | IRIS Development Option for IRIX 5.1 | 1 ea | ea | 876.00 | 876.00

006 | SC4-NFS-5.1 | Network File System Software for IRIX 5.1 | 1 ea | ea | 446.25 | 446.25

007 | CS-SWCARE_ | Support price for software options for systems with IDO DEV | 1 EA | EA | 0.00 | 0.00

**Per Quote # CWC941495, IUC Contract # UN93-005**

Page 1 of 4

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**Equal Employment Opportunity**

The Supplier in bidding and/or filling a purchase order agrees not to discriminate against any employee or applicant for employment with respect to: hiring, tenure, terms, conditions, or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, sex, religion, national origin, or ancestry. The Supplier further agrees that every subcontract or order given for the supplying of this order will contain a provision requiring non-discrimination in employment, as herein specified. This covenant is required pursuant to Executive Order 11246. Executive Code of Ohio and policy of Central State University any breach thereof may be regarded as a material breach of the contract or purchase order.

---

**Central State University Purchasing Office**

---
Purch. E Order

Central State University
Wilberforce, Ohio 45384

513 376-6350

To: Silicon Graphics, Inc.
2041 N. Shoreline Blvd.
M/S 17L-120
Mountain View, CA 94043

Sendor Contact: Mountain View, CA 94043
S/G Buyer: [No text visible]

Jenk 114G

Deliver to Central State University Center for Sci. Visua
c/o Receiving
1430 Brush Row Rd.
Wilberforce, OH 45384

Order Information

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Per Quote # CWC941495, IUC Contract. #UN93-005

Page 2 of 4

Equal Employment Opportunity: The Supplier is bidding and/or tendering a purchase order agrees not to discriminate against any employee or applicant for employment, with respect to any matter, terms, conditions, or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, sex, religion, national origin, or ancestry. The Supplier further agrees that every subcontract or order given for the supplying of this order will contain a provision requiring non-discrimination in employment, as herein specified. This requirement is required pursuant to Executive Order 11246, Executive Orders of Ohio and policy of Central State University and any breach thereof may be regarded as a material breach of the contract or purchase order.
# PURC 3E ORDER

## CENTRAL STATE UNIVERSITY

WILBERFORCE, OHIO 45384

513 376-6350

---

**To:** Silicon Graphics, Inc.  
2011 N. Shoreline Blvd.  
M/S 17L-120  
Mountain View, CA 94043

---

**From:** CENTRAL STATE UNIVERSITY  
Center for Scient. Visual  
1400 Brush Row Rd.  
Wilberforce, OH 45384

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**Date:** Dec. 20, 1993

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**Per Quote # CWC941495, IUC Contract #UN93-005**

Page 3 of 4
**PURCHASE ORDER**

**CENTRAL STATE UNIVERSITY**

**WILBERFORCE, OHIO 45384**

513 376-6350

To: Silicon Graphics, Inc.
2011N. Shoreline Blve.
M/S 17L-120
Mountain View, CA 94043

Mark Keller

**TO: Silicon Graphics, Inc.**

2011N. Shoreline Blve.
M/S 17L-120
Mountain View, CA 94043

Mark Keller

**ORDER INFORMATION**

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**Total**

**$1,942.50**

**GRAND TOTAL**

**$156,353.00**

**EQUAL EMPLOYMENT OPPORTUNITY** The Supplier in bidding and/or fulfilling a purchase order agrees not to discriminate against any employee or applicant for employment, with respect to enrolment, terms, conditions, or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, sex, religion, national origin, or ancestry. The Supplier, further agrees that every subcontract or order given for the supplying of the order will contain a provision requiring non-discrimination in employment, as herein specified. This covenant is required pursuant to Executive Order 11246, Executive Code of Ohio and policy of Central State University and any breach thereof may be considered as a material breach of the contract or purchase order.