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M E M O R A N D U M

November 15, 1989

To: Chairperson Avenson and Members of the Legislative Council

From: Diane Bolender *DB*

RE: Sale of 1989 Code Supplement to West Publishing

For the last several years West Publishing Company has purchased copies of the Code and the Code Supplement from the Legislative Service Bureau for \$500 per year. This is a paper copy and not a sale of the computer tapes. Unless there are any objections, I will sell the 1989 Code Supplement to West Publishing Company for \$500 and will deposit the receipts in the general fund.

REPORT OF THE ADMINISTRATION COMMITTEE
OF THE IOWA LEGISLATIVE COUNCIL

October 18, 1989

The Administration Committee met on October 18, 1989, and in the absence of a quorum, the members present make the following recommendations for adoption by the Legislative Council:

1. That the Legislative Council keep the previous procedures for the hiring of consultants by interim study committees as follows:

a. When the Legislative Council establishes an interim study committee where a consultant will be used, the Legislative Council should authorize the study committee to prepare a Request for Proposal (RFP) for distribution to potential consultants and authorize the study committee to spend up to a maximum amount for the consultant.

b. The study committee would be responsible for selecting the consultant from those responding to the RFP subject to final approval by the Legislative Council.

c. The consultant would be paid from funds authorized to the study committee by the Legislative Council at the time the Legislative Council creates the study committee.

Respectfully submitted,

SENATOR DONALD V. DOYLE
Chairperson

rpt, adm1018
mj/dg/20

REPORT OF THE REDISTRICTING TECHNOLOGY SELECTION COMMITTEE
OF THE LEGISLATIVE COUNCIL

November 14, 1989

The Redistricting Technology Selection Committee met on November 14, 1989 and makes the following recommendations for adoption by the Legislative Council:

1. That the Legislative Council:

a. Send a letter to the U.S. Department of Commerce, Bureau of the Census, jointly signed by the Governor and the Majority and Minority Leaders of the House and Senate confirming that the Phase 2 Census Block Maps are being developed in a nonpartisan manner.

b. Approve the use of seven computer workstations for the purposes of redistricting, with three workstations assigned to the Legislative Service Bureau and one workstation assigned to each of the four Caucus Staffs.

c. Approve that any computer hardware and software for redistricting purposes have the capability of supporting up to fifty Senate and one hundred House districts.

d. Approve the use of precincts as the basic building blocks for purposes of redistricting.

2. The Committee recommended that the Service Committee consider recommending the hiring of a temporary full-time research analyst to assist the redistricting staff.

In addition, the Redistricting Technology Selection Committee took the following actions:

Appointed the following subcommittee for the purpose of negotiating the computer system costs for redistricting with Public Systems Associates, Inc. (PSA) and Election Data Services, Inc. (EDS) and making a recommendation to the Committee on the vendor to be selected:

Senator Bill Hutchins
Senator Calvin Hultman
Representative Harold Van Maanen
Representative Robert Arnould

Respectfully Submitted,

SENATOR BILL HUTCHINS
Chairperson

REPORT OF THE LEGISLATIVE CAPITAL PROJECTS COMMITTEE TO THE
LEGISLATIVE COUNCIL

NOVEMBER 13, 1989

The Capital Projects Committee of the Legislative Council met on Monday, November 13, 1989, and makes the following request:

That the Legislative Capital Projects Committee be authorized two meeting days in December. The meetings would be used to examine agency capital requests and make appropriate recommendations to the General Assembly for the 1990 Legislative Session.

The following additional issues were discussed by the Capital Projects Committee:

1. Adoption of Committee rules.
2. Selection of Senator Welsh and Representative McKinney as co-chairs.
3. Review of S.F. 546 (Capital Budgeting Legislation).
4. Review by the Department of Management of the Capital Project Budget Request Document.
5. Review by the Department of General Services of the Capital Project Quarterly Report.
6. Appointed a four member subcommittee to consider Committee procedures.

704b:tcf:11/13/89

REPORT OF THE STUDIES COMMITTEE

OF THE LEGISLATIVE COUNCIL

November 15, 1989

The Studies Committee of the Legislative Council met on November 15, 1989, and makes the following recommendations:

1. That approval be granted to the Juvenile Law Study Committee for a deadline extension of one day for the Study Committee to meet on November 21, 1989.

2. That approval be granted to the Legislative Capital Projects Committee to hold two meeting in December 1989.

3. That approval be granted to the Park and Recreation Enhancement Study Committee to hold its third and final meeting on November 29, 1989.

4. That approval be granted to the Iowa Agricultural Trade Relations with the European Economic Community Study Committee for a deadline extension to hold its final meeting by December 29, 1989.

5. That approval be granted to legislative leaders to appoint five public members (two non-voting), to the Legislative Fiscal Bureau Consultant Study of Department of Human Services Institutions Ad-Hoc Committee. Leadership announced the intent to appoint the following persons:

Mr. Chuck Linden, President, Rural Health Enterprise,
Iowa Methodist Medical Center

Mr. Donald Keown, Vice President for Personnel,
Principal Financial Group

Mr. Don McKee, President, AFSCME Council 61

(Non-Voting Ex Officio Members)

Ms. Sally Cunningham, Acting Division Administrator,
Department of Human Services

Mr. Tom Donahue or designee, Department of Personnel

6. That approval be granted to the Department of Employment Services Study Committee's proposal to conduct a survey of the Department's employees and to retain a consultant to develop and analyze the survey at a cost of not more than \$3000. That the Study Committee be directed to continue its efforts and a final meeting date be established at a later time.

7. That the Legislative Council state its support for establishing a child care service in or near the Capitol Complex due to the benefits derived for state employees and as an example for other employers in the state; and that the Department of General Services and the Department of Personnel be requested to:

a. Develop a specific proposal, after discussion with child care vendors, which includes an estimated weekly cost to an employee for child care services delivered in or near the Capitol Complex. The cost estimate can be based on the assumption that costs of construction would be borne by the state.

b. Develop a specific proposal, including weekly cost to an employee, for child care services developed in partnership with a nearby employer. The Department is requested to hold discussions with other employers and report on the discussions.

c. Develop a specific proposal, following an assessment of existing buildings nearby the Capitol, of the weekly cost to an employee of a child care service operated in a building purchased or leased by the state.

The Studies Committee reports that it has received and filed the following reports:

1. A report on Capitol Complex child care options from the Department of General Services.

2. A report on literacy assessment from the Department of Education.

3. A report on the activities of interim study committees from the Legislative Service Bureau.

Respectfully submitted,

SPEAKER DON AVENSON,
Chairperson

Rpt, studies1115
DA/JP/sw/29

REPORT OF THE SERVICE COMMITTEE
OF THE LEGISLATIVE COUNCIL

November 15, 1989

The Service Committee of the Legislative Council met on November 15, 1989. The meeting was called to order by Representative John Connors, Chairman, at 10:00 a.m. in Room 22 of the State House, Des Moines, Iowa.

The Service Committee respectfully submits to the Legislative Council the following report and recommendations:

1. The Service Committee received and filed a report on the progress of implementation of service of the Voice Information Processing System. There will be a training session for VIPS following the Legislative Council meeting. The Committee was also informed that the incoming WATS line for VIPS is in place.

2. At its October meeting the Legislative Council approved the purchase of a high-speed audio tape duplicating machine by the Legislative Service Bureau to duplicate audio tapes of sessions of national meetings. The Service Committee recommends that the following policy for tape duplication be approved:

a. The Legislative Service Bureau will transmit copies of brochures, listing the tapes available, to the legislative leaders and committee chairpersons. The legislative leaders will determine whether the entire set of tapes should be ordered. If the entire set of tapes is not ordered, the Service Bureau will order tapes requested by legislators and tapes that relate to the topics of interim committee meetings and pending or anticipated legislation.

b. The Legislative Service Bureau shall order blank audio tapes in bulk quantities and charge legislators the actual cost of the tapes used.

3. The Service Committee received and filed a Personnel Report from the Legislative Fiscal Bureau.

4. The Service Committee recommends that the Legislative Council approve the following proposed personnel actions by the Legislative Service Bureau:

a. A one step increase in the salary of Ms. Donna Munzenmaier, from grade 15, step 1, to grade 15, step 2. Ms. Munzenmaier has agreed to work at the Legislative Service Bureau, during session, as one of the extra proofreaders. Ms. Munzenmaier is currently employed in the Legislative Service Bureau in the Administrative Code Division as a proofreader.

b. The appointment of Ms. Janet Wilson as the Deputy Code Editor at pay grade 33, step 6. Ms. Wilson is presently a Senior Legal

Counsel at the Legislative Service Bureau and is employed at pay grade 36, step 4. The transfer of positions will result in a one step reduction in salary for Ms. Wilson.

c. The appointment of Ms. Marva Cross as a Legislative Text Processor I, at pay grade 19, step 2. Ms. Cross has been employed as a Senior Bill Clerk in the Legislative Service Bureau at pay grade 18, step 2. Employing her at step 2 will provide Ms. Cross with a one step pay increase for the promotion.

5. The Service Committee received an oral report by the Chair of the Retention of Independent Legal Counsel Subcommittee and anticipates receiving a final report at its next meeting.

6. The Service Committee recommends the Legislative Council approve the attached proposed budget and budget allocation of the Legislative Service Bureau for the fiscal year beginning July 1, 1990, pursuant to section 2.12 of the Code.

7. The Service Committee recommends that the Legislative Council approve the attached proposed budget and budget allocation of the Legislative Fiscal Bureau for the fiscal year beginning July 1, 1990, pursuant to section 2.12 of the Code.

8. The Service Committee recommends that the Legislative Council approve the attached proposed budget and budget allocation of the Computer Support Bureau for the fiscal year beginning July 1, 1990, pursuant to section 2.12 of the Code.

9. The Service Committee recommends that the Legislative Council reduce the attached proposed budget of the Office of Citizens' Aide for the fiscal year beginning July 1, 1990, by 15 percent and approve a total budget amount of \$553,150 with necessary changes in the proposed budget allocations pursuant to section 2.12 of the Code.

10. The Service Committee recommends approval for the Legislative Service Bureau to begin procedures to employ an additional temporary full-time Research Analyst to assist with redistricting duties, as recommended by the Redistricting Technology Selection Committee.

11. The Service Committee recommends that the Legislative Council approve the revised application form for use by central legislative staff agencies. Upon receipt of a letter of application and resume by the agency, a copy of the application form shall be sent to each applicant for completion.

Respectfully submitted,

REPRESENTATIVE JOHN CONNORS
Chairman

IOWA LEGISLATIVE COUNCIL

STATE CAPITOL BUILDING

DES MOINES, IOWA 50319

515 281-3566



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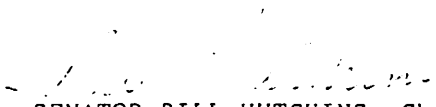
October 24, 1989

Mr. James Peterson
Box 751
Des Moines, Iowa 50303

Dear Mr. Peterson:

On October 18, 1989, Senator Bill Hutchins, Chairperson of the Iowa Legislative Council, received your letter stating that you were appealing to the Legislative Council the October 18, 1989, decision of the Service Committee of the Legislative Council to deny reinstatement of your grievance against Mr. William Angrick. In accordance with the grievance procedures adopted by the Legislative Council, the Council considered your appeal and voted to deny reinstatement of your grievance against Mr. William Angrick.

Sincerely,


SENATOR BILL HUTCHINS, Chairperson
Iowa Legislative Council

cc: William Angrick, Citizens' Aide/Ombudsman
Members of the Legislative Council

JP2
BH/DB/dg/20

**STATE OF IOWA
RESEARCH AND OUTREACH ENHANCEMENT INITIATIVE**

**A Plan to Create New Pathways to Enable Iowans
to Share Information With Each Other
And to Stay In Touch With the World**

**A REPORT TO THE LEGISLATIVE INTERIM COMMITTEE
ON SUPERCOMPUTING**

TOM URBAN, CHAIRMAN

November 5, 1990

The Study Committee:

**Greg Carmichael, University of Iowa
Michael Crow, Iowa State University
William Francis, Grinnell College
Fred Harris, University of Iowa
Myrt Levin, Iowa Business Council
Robert Lutz, Drake University
Dale Nelson, State of Iowa Department of General Services
Gary Rudicil, Legislative Service Bureau
Nancy Tomes, Pioneer Hi-Bred International
J. Michael Yohe, University of Northern Iowa**

SITUATION AUDIT

There are approximately 750 workstations adaptable to supercomputing in Iowa today. About 500 are located at Iowa State University, 205 at the University of Iowa campus, and the rest at private colleges.

Several communications systems are used to interconnect present systems with supercomputing capacity. At Iowa State, the linkage is through the NSFNET subsystem, known as MIDNET, which is based in Lincoln, Nebraska. The second is the DOENET which connects the Ames laboratory to the supercomputers in the Department of Energy system.

The University of Iowa operates a medium-speed, campus-wide backbone network which utilizes the same network protocols as the NSFNET. Campus backbone is interconnected to the NSFNET through CICNET and MIDNET external connections. This provides access to national supercomputing facilities attached to the NSFNET. All of the aforementioned workstations have access to NSFNET. There is a need to increase the fiber network on campus and implement higher speed services.

Numbers of faculty and students knowledgeable in the use of supercomputers varies from approximately 500 at Iowa State University and slightly over 100 at the University of Iowa, to about 4 at Grinnell College. It appears that the number of faculty and students trained to use supercomputers correlates directly with available high end workstations.

A survey of a sampling of large manufacturing, service and aerospace industries across the country indicates that purchase of supercomputer time by industry is not a viable method of supporting ongoing operating costs of a state supercomputer. For example, at the Alabama supercomputer site several hundred thousand dollars worth of time has been sold to business, but the contribution is a small percentage of the \$7 million annual operating cost of the center. Further, the director estimates that the time spent soliciting and servicing these contracts may well have used up any profits to the center. Most industries surveyed indicated that their research is either proprietary or classified and would preclude use of a public system. Further, most companies that do scientific research on a large scale own their own supercomputers and encourage subsidiaries to utilize the in-house systems.

THE RATIONALE

Iowans historically have supported investments in Iowa education from kindergarten through the university system. As a result, education in Iowa has enjoyed a national reputation for excellence. As we approach the 21st century, there is an increasing awareness of the importance of education as a basic economic development tool.

Iowans are now well positioned to capitalize on their long-standing investments in education. Because of our outstanding existing base of knowledge and technology, Iowa stands to make an extraordinary return on an investment in supercomputing -- certainly higher than most states. However, there are certain areas which must be addressed if Iowa is to gain a leadership position.

Information technology is advancing at an incredible pace. The ability of the citizens of Iowa to utilize information technology as a tool for economic well-being

will depend upon the state's investment now in the basic tools necessary to develop a state-of-the-art technology infrastructure. The state universities have not kept up and need to invest in updated systems today so that faculty and students may use current information technology. Further, Iowa's private colleges, community colleges, and K-12 educational system and business must be brought into the loop so that all Iowa students may continue to excel, and thereby increase the number of well-trained scientists and technicians in the state.

Today there is growing need for developing strong linkages among Iowa university research activities, local Iowa companies and secondary schools. Designing an information system which will allow business and the secondary system to have access to research will strengthen the educational system and the technological community. This will enable scientists and engineers from industry to exchange ideas and expertise with universities and facilitate collaborations. Although sale of computer time to business does not appear to be a viable option for operational support, people-to-people linkages through a state-of-the-art information system is one of the best strategies for technology transfer.

Expanding and interconnecting the state of Iowa computing and supercomputing capacity will enrich all educational institutions and businesses in Iowa by allowing students, instructors, and researchers to access the entire spectrum of science and computer applications. By interconnecting the scientists who are dispersed throughout the academe and industry the state can use electronic technology to further the development and unification of its community of scholars. Industry relies on the research community, especially the university-based research community, for advances in basic technology, new methodologies, and the next generation of trained personnel. Researchers depend upon industry for the instrumentation needed for their investigations and experiments.

Statements made by prospective faculty at Iowa universities as well as an assessment of the resources available to peer institutions demonstrate that the competitive position of universities in Iowa is threatened by a lack of access to state-of-the-art computer technology. Although a small state such as Iowa cannot be a leader in all technologies, it is important that Iowa maintain its reputation for educational and research excellence to attract top-notch faculty and graduate students as well as the grants and contracts to support continued excellence in technological and other intellectual pursuits.

This report is written in the context of economic realities in the state of Iowa, recognizing that scarce resources must be divided to meet many important needs. At the same time, the committee believes that an investment in Iowa's technology today will reap significant rewards in the future.

A strong and innovative feature of the plan is bringing the K-12 educational system into the computer network to foster interaction among the primary and secondary schools and universities. This plan will help us reach and maintain the "first in the nation" status of our schools by assuring that Iowa students have access to the best information available to the classroom and laboratory.

From a visionary standpoint, the plan will help Iowans continue and expand their role as fully participatory world citizens. From a practical standpoint, the plan will help eliminate costly, unnecessary duplication of resources.

Doug Gale, program director of the National Science Foundation NSFNET computer network, had the following comment: "Iowa has an excellent national reputation for both its universities and its K-12 and community college education system. Planning now to build an information system which will help to increase educational excellence and economic development for the state of Iowa is an excellent strategy."

THE PLAN

Establish a Supercomputer Authority. The authority shall be constituted by law. Members shall be appointed by the legislative and executive branches, and shall represent all state universities, private colleges and universities, community colleges, the K-12 system and Iowa businesses. Members shall be professionals who are trained to use, design or plan supercomputing systems. The authority shall be responsible for planning, development and implementation of a supercomputer network. All funding requests will come through the authority.

There are four components in providing a scientific or supercomputer network. There is a three-tiered hierarchy of computers and a very high speed network which ties them all together. Each model in the hierarchy is distinguished by cost and computing power, as well as bandwidth, location, software support and administrative structure.

- Workstations: High performance computers that can be individual or linked with other workstations in a local area net or wide area net.
- Mini-supercomputers: Powerful computers that bridge the gap between high performance workstations and the fastest computers in the world. They can serve a number of users who have high performance workstations or terminals. These would be in departmental labs, a central campus, or company facility.
- Supercomputer access: A remote connection to a very fast computer capable of performing the millions of mathematical calculations that are used for scientific applications. These are located in centralized facilities such as a state or national center or large industrial site.
- Computer communications networking: High speed communications links that are capable of transporting large quantities of data between network nodes. This provides the essential infrastructure which links the hierarchy of computers. The State of Iowa is in the process of creating a high speed, fiber optics network that can deliver the capacity to network the three levels of identified computing. The Iowa Communications Network (ICN) will be a major factor in the networking of supercomputer resources and the delivering of networked services to schools, universities, libraries, colleges and county governments throughout the state. When the ICN is installed it will be the foundation for high capacity digital communications links that will connect computers and people. The committee strongly supports the continuation of the ICN project.

High performance workstations at various colleges and universities provide the basis for the supercomputer network, K-12 schools, and various government organizations. This would form level one of the three-tier approach.

A second tier would be composed of mini-supercomputers at various strategic locations which would provide an additional level of computing for those workstations whose capacity has been exceeded. Mini-supercomputers would be linked to each other and provide a gateway for access to additional computing capacity when needed.

A third tier would be either a supercomputer owned by the state of Iowa or access to other supercomputer centers where time could be purchased on an as-needed basis. The usage could be monitored and when a supercomputer was justified, one could be purchased.

While the aforementioned components comprise the technical structure, there would be additional requirements to gain the full benefits of the investment.

- Training and education for the use of the supercomputer network. This would range from the research level down to grade schools, government organizations, and private industry.
- Coordination of the computing software and data to provide a dictionary and locator for easy access by users of the system. This would help identify common interest existing databases, existing research, etc.
- Identification of researchers with a commonality of function that would develop a community of common interests where ideas, electronic mail, and other forms of communications could be easily exchanged. This would be of major benefit.
- Very high speed connections to national research and educational network for access to out-of-state colleagues and resources.

The plan is based on two assumptions: (1) that the Iowa research and education network is linked through the Iowa Communications Network, and (2) that it is effectively interconnected to the national networking infrastructure. (The current national backbone for the research and education community, NSFNET, is now being upgraded to DS3 capacity [45 Mbs] and both regional networks with which Iowa's major institutions communicate [MIDNET and CICNET] will have DS3 nodes. Thus, IREN should be connected to NREN via two points, the University of Iowa [a CICNET member] and Iowa State University [a MIDNET member] with DS3 circuits.)

Funding is needed in the areas of:

- The purchase of high performance workstations by educational institutions and government organizations.
- Purchase of mini-supercomputers.
- The purchase or licensing of software for use on the appropriate equipment.
- The monthly maintenance costs associated with each piece of equipment and software.
- The communications or line charges that link the workstations and mini-supercomputers with each other and with supercomputers and the national networks.
- The per hour charge of mini-supercomputer centers and supercomputer centers. The budget includes all hardware, software, and operating costs.

IMPLEMENTATION BUDGET SUPERCOMPUTER ACCESS PROJECT

This budget represents several assumptions. First, rather than spend \$35-40 million on a supercomputer and facility, we would spend over a three-year period about the same kind of money to upgrade Iowa's overall communication capability and interconnectedness. This is built on the assumption that the University of Iowa, Iowa State University, and the University of Northern Iowa would be developed into state-of-the-art computing campuses, given differences in their missions.

The budget represents investments in workstations, mini-supercomputers, on-campus networking, the Iowa Research and Education Network, and supercomputer access (block time). Computing capability has been displayed in such a way so as to maximize the potential of various schools and at the same time provide access within the system through the Iowa Research and Education Network.

Such an investment would, without a doubt, positively alter the fundamental character of the higher education/research enterprise in Iowa. The numbers presented in the budget are all estimates.

Year One

I.	<u>Workstations</u>		<u>\$ 8,000,00</u>
	University of Iowa	300 workstations of various levels (average approximately \$1,500 per unit)	3,500,000
	Iowa State University	175 workstations of various levels (average approximately \$11,000 per unit)	2,000,000
	UNI	130 workstations of various levels (average \$7,500 per unit)	1,000,000
	Other colleges	200 workstations of various levels (average \$7,500 per unit)	1,500,000
II.	<u>Mini-Supercomputers</u>		<u>\$ 3,000,000</u>
	University of Iowa	2 mini-supercomputers and peripherals	2,000,000
	Iowa State University	1 advanced parallel processing machine	1,000,000
III.	<u>On-Campus Networking</u>		<u>\$ 1,900,000</u>
	University of Iowa	Ethernet expansion	750,000
	Iowa State University	FDDI expansion	750,000
	UNI	Ethernet mode development	400,000
IV.	<u>Iowa Research and Education Network</u>		<u>\$ 2,025,000</u>
	Central Facility	Planning and Design	400,000
	University of Iowa	Communications electronics (\$100K) and fiber connects (3 x \$50K)	250,000
	Iowa State University	Communications electronics (\$100K) and fiber connects (3 x \$50K)	250,000
	UNI	Communication electronics (\$200K) and fiber connects (3 x \$50K)	350,000
	Other Colleges	Communication electronics at 15 colleges (15 x \$35K) and fiber connects (25 x \$10K)	775,000
V.	<u>Supercomputer Access (Block Time)</u>		<u>\$ 750,000</u>
		TOTAL PROGRAM	\$15,675,000

Year Two

I.	<u>Workstations</u>		<u>\$ 5,800,000</u>
	University of Iowa	200 workstations of various levels (average approximately \$11,500/unit)	2,300,000
	Iowa State University	8 graphics workstation clusters (\$125,000 per cluster)	1,000,000
	UNI	130 workstations of various levels (average approximately \$7,500 per unit)	1,000,000
	Other Colleges	200 workstations of varied levels (average approximately \$7,500 per unit)	1,500,000
II.	<u>Mini-Supercomputers</u>		<u>\$ 1,950,000</u>
	University of Iowa	Upgrades of systems	1,000,000
	Iowa State University	Graphics laboratory	950,000
III.	<u>On-Campus Networking</u>		<u>\$ 1,600,000</u>
	University of Iowa	FDDI development	750,000
	Iowa State University	FDDI expansion	500,000
	UNI	Ethernet expansion	350,000
IV.	<u>Iowa Research and Education Network</u>		<u>\$ 2,200,000</u>
	Central facility development		1,500,000
	University of Iowa	(maintenance of fiber connects)	150,000
	Iowa State University	(maintenance of fiber connects)	150,000
	UNI	(maintenance of fiber connects)	250,000
	Other Colleges	(maintenance of fiber connects)	250,000
V.	<u>Supercomputer Access (Block Time)</u>		<u>\$ 1,250,000</u>
		TOTAL PROGRAM	\$12,800,000

Year Three

I.	<u>Workstations</u>		<u>\$ 2,624,000</u>
	University of Iowa	8 graphics workstation clusters (\$125K per cluster)	1,000,000
	UNI	3 graphics workstation clusters (\$125K per cluster)	375,000
	Other Colleges	10 graphics workstations clusters (\$125K per cluster)	1,250,000
II.	<u>Mini-Supercomputers</u>		<u>\$ -0-</u>
III.	<u>On-Campus Network</u>		<u>\$ -0-</u>
IV.	<u>Iowa Research and Education Network</u>		<u>\$ 2,700,000</u>
	Central Facility (operations and equipment)		2,000,000
	Fiber Maintenance of System		700,000
V.	<u>Supercomputer Access (Block Time)</u>		<u>\$ 2,000,000</u>
		TOTAL PROGRAM	\$ 7,325,000

Years Four Through Six

System Maintenance

Iowa Research and Education Network	<u>\$ 3,000,000</u>
Supercomputer Access	<u>\$ 2,000,000</u>

BASE PROGRAM AFTER BUILD-UP **\$ 5,000,000/Year**

Budget Summary

	Year (In Millions of \$)		
	1	2	3
Workstations	8.0	5.8	2.625
Mini-Supercomputers	3.0	1.95	0
On-Campus Networking	1.9	1.9	0
Iowa Research and Education Network	2.025	2.2	2.7
Supercomputer Access (Block Time)	<u>0.75</u>	<u>1.25</u>	<u>2.0</u>
	15.675	12.8	7.325
TOTAL START-UP COSTS:	\$35.8 Million		

GENERAL ASSEMBLY OF IOWA



LEGAL DIVISION

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LEGISLATIVE SERVICE BUREAU

STATE CAPITOL BUILDING
DES MOINES, IOWA 50319
515 281-3566
DIANE E. BOLENDER, DIRECTOR

November 9, 1989

MEMORANDUM

TO: CHAIRPERSON HUTCHINS, VICE CHAIRPERSON AVENSON,
AND MEMBERS OF THE LEGISLATIVE COUNCIL

FROM: Diane Bolender, Director *DB*

RE: November Legislative Council and Council Committee Meetings

The Legislative Council and its Committees are scheduled to meet as follows:

November 14	<u>3:00</u> p.m.	Redistricting Technology Selection Committee - Senator Hutchins' Office
November 15	10:00 a.m.	Service Committee Committee Room 22
	<u>12:30</u> p.m.	Studies Committee Committee Room 22
	1:00 p.m.	Legislative Council Committee Room 22

November 9, 1989

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Enclosed are copies of the following:

Minutes of the October 18 Service Committee Meeting
Minutes of the October 18 Studies Committee Meeting
Minutes of the October 18 Administration Committee Meeting
Minutes of the October 18 Legal Counsel Policy Subcommittee
of the Service Committee Meeting
Minutes of the October 18 Legislative Council Meeting
Tentative Agendas for the Meetings
Final Version of the Personnel Guidelines

Please note that the convening times of the Committees are different from those listed in the interim calendar. This letter contains the correct times.

Please notify the Legislative Service Bureau if you will be unable to attend the November Legislative Council meeting or a meeting of a Committee of the Council to which you have been assigned.

council1115
db/dg/20



DENNIS C. PROUTY
DIRECTOR
515/281-5279

STATE CAPITOL
DES MOINES, IOWA
50319

STATE OF IOWA
LEGISLATIVE FISCAL BUREAU

MEMO

TO: Legislative Council
FROM: Dennis C. Prouty, Director, Legislative Fiscal Bureau
RE: November Personnel Report
DATE: November 15, 1989 (486b)

Attached is the Legislative Fiscal Bureau's Personnel Report for the month of November.

LFB PERSONNEL REPORT

November 15, 1989

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PERSONNEL ACTIONS SINCE LAST REPORT:

Merit Increases

Alice Wisner, Legislative Analyst II, Effective - 10/13/89

Vacant Positions

None

Filled Positions

None

798b:tcf:9-20-89