

MINUTES OF THE MEETING
JOINT SUBCOMMITTEE
ON EDUCATION APPROPRIATIONS
MONTANA STATE
HOUSE OF REPRESENTATIVES

February 20, 1985

Tape 66 Side A

The meeting of the Education Subcommittee was called to order by Chairman Gene Donaldson at 7:05 A.M. on Wednesday, February 20, 1985, in Room 104 of the State Capitol.

ROLL CALL: All members were present.

The purpose of the meeting was to hear presentations by Eastern Montana College, Montana Tech and Northern Montana College.

Dr. Bruce Carpenter (66:A:029), President, Eastern Montana College (EMC), led off on behalf of that school. (EXHIBITS 1 and 2). Dr. Carpenter introduced Dr. Sam Rankin, Academic Vice President; Ken Heikes, Administrative Vice President; Don Fox, Comptroller and Budget Officer; and Dr. Mike Hagen, Director of the Montana Center for Handicapped Children.

Dr. Carpenter said they put in place about two years ago a new general education program, or core curriculum, that emphasizes the kinds of skills and knowledge that all students need, regardless of their majors. It is working well. A two-year foreign language requirement was also instituted for all bachelor of science degrees in arts and science. Last year the overall grade point average for admission to the teacher preparation program at the junior level was increased, he said.

During the past year, EMC was visited by four different accrediting teams. The reports from these teams all issued strong, positive reports regarding the quality of the faculty and the quality of the student body and an unqualified recommendation for the quality of the program. EMC has instituted a detailed planning process which is updated each year.

Dr. Carpenter said the student body at Eastern Montana College is not changing: it has already changed. The average age for an EMC student is slightly over 26. About 80 percent of the students work; 32 percent are less than full time; 62 percent are from Yellowstone County. Eighty-three percent of EMC's students commute to campus, and as a result of this fact, between 18 and 20 percent of EMC's classes are held at night. Dr. Carpenter said with this different kind of student body, different kinds of enrollment projections need to be considered. The University of Montana Bureau of Business and Economics projects an average growth for Billings of about two percent until the year 2000. EMC's enrollments are much more tied to the community than to the number of high school

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graduates, Dr. Carpenter said. He urged that the revised projections made by the Board of Regents be considered.

One way of measuring the success of a school is by the success of its graduates, Dr. Carpenter said. In the graduating class of 1984, 91 percent of those graduates are either employed or attending graduate school. Seventy-nine percent of those stayed in Montana. The range of starting salaries was \$13,000 to \$41,000 per year. Students do well and are placed well because of the high quality of the EMC faculty, Dr. Carpenter said. Many faculty members are engaged in research programs, specifically Dr. Jay Kirkpatrick in the Department of Biology has done research on wild horses in the Pryor Mountains and on the control of those horses. Dr. Allen Bentley of the Physics Department has just received a three-year grant from the Air Force to work with them in the field of infrared radiation.

There are interesting teaching experiments going on at EMC, Dr. Carpenter said. There are exchanges with the public schools. The school has an Office of Academic Services that advises undeclared majors, and in conjunction with this the school has an Office of Career Planning and Placement which administers tests and works with students to determine specific talents and also to provide guidance as to what kinds of careers may be available in the future. Those two programs are especially popular with the non-traditional, older students.

Dr. Carpenter said he realizes that there are major funding difficulties. He endorsed funding at 100 percent of the formula. He said he believes EMC's drop in enrollment is temporary. However, from 1979 through 1984, EMC served over 700 FTE more than it was budgeted for. Picking peer institutions is a difficult task, and he believes the peers should be studied and perhaps revised for EMC.

At this point, Dr. Carpenter discussed the Masters of Business Administration Program. There is a large group of older students in Billings who are prepared to enter that kind of program, but who cannot leave Billings for a year to study at the University of Montana. Therefore, this truly cooperative venture has been suggested using the degree from the University of Montana in conjunction with Montana State University and EMC to offer an evening and weekend program that is tailored to the students.

Dr. Carpenter introduced Senator Bruce Crippen (66:A:295), District 45, Billings. Sen. Crippen said he was representing his district and also the University of Montana Board of Trustees and the University of Montana Small Business Advisory Council. He urged support of the MBA program as requested by the University of Montana and Eastern Montana

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College. In 1982, the University of Montana placed an advertisement in the Billings Gazette in regard to the program. The result was overwhelming: 240 responses, 156 requesting more information and requesting admission to the program. In addition, 84 people were actually interviewed. In the winter of 1984, there was a questionnaire in the Billings Gazette, and an additional 100 responses were received, and of those, 98 percent said they would apply for admission to the program if it were available immediately. There is strong business support in Billings for the MBA program. Sen. Crippen said there are two questions that people who are thinking of moving to Billings ask: "Do you have a University?", and "Do you have an MBA program?"

Dr. Carpenter next introduced Representative Jack Ramirez (66:A:367) of District 87. Representative Ramirez urged support of the MBA program. Basically, the people who are interested are older students who are working and who cannot go elsewhere. This kind of program is beneficial to the business community as a whole, Representative Ramirez said, and Billings is the appropriate place for it.

Representative Ramirez noted the presence of the following legislators who support the MBA program: Representative Hannah of Billings, Representative Simon of Billings, Representative Garcia of District 93, Representative Vernon Keller, District 83, and Senator Pat Regan of Billings.

Representative Les Kitselman (66:A:420), Billings, said that the MBA program is the Number One Priority of the Billings delegation.

Senator Esther Bengston (66:A:430), Billings, said that even a token amount for the MBA program would be appreciated.

Representative Kelly Addy, District 94, (66:A:444), said an MBA program at EMC would provide supply where there is maximum demand.

Representative John Montayne, District 96, (66:A:519), said he was speaking for the people who couldn't go away for an education. When he grew up in eastern Montana, he said there was no college, and now there is a vehicle for the people of eastern Montana to use to forward their education. He said he wholeheartedly supports the MBA program.

Senator Chet Blaylock (66:A:555), Senate District 43, said the MBA program is especially attractive because it represents the cooperative efforts of the University of Montana, Montana State University and Eastern Montana. He said the MBA would be helpful to the vibrant business community of Billings. He pointed out that only start-up costs are needed, and after that the program is self-supporting.

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Senator Tom Towe (66:A:573), Billings, said the MBA has broad community support in Billings.

Senator Tom Hager (66:A:586), District 48, said last winter he became a non-traditional student and took a course at EMC. He said the large business community in Billings would certainly take advantage of the MBA program.

Dave Goss (66:A:611) (EXHIBIT 3), Billings Chamber of Commerce, said that he has worked closely with Eastern Montana College. He said the MBA program should be considered an investment in the future economy of the Billings area and of the state as a whole. He said if people have a program where they are able to continue their present employment while going to school, there is not the reduction of the tax base that occurs when a person has to quit a job and go someplace else to go to school. Mr. Goss distributed letters from business firms in Billings in support of the MBA program (EXHIBITS 4-25).

Tape 66 Side B would not advance

Tape 67 Side A

Dr. Carpenter next discussed the Center for Handicapped Children. This center has served the state for over 37 years. Prior to last session it was funded through a variety of state organizations. The center averages about 250 children per year. However, given the present funding, the center is able to function only ten months of the year, which places a severe stress on the children who come to the center in July and August and are unable to receive the center's services. Funds are being requested in this modification which would allow the center to function on a 12-month basis.

Representative Jerry Driscoll (67:A:030), Billings, said the budget modification for a 12-month program for the Center for Handicapped Children should be approved. The center works toward providing a better life later on for handicapped children.

Dr. Carpenter (67:A:047) noted that the cost for the request to extend the Center for Handicapped Children to 12 months' operation is \$67,600 for the biennium.

Dr. Carpenter next discussed EMC's computer needs. He said the school has a DEC 2060 system, which has worked well, but now it has just about reached its capacity. Over the years, a great deal of software has been developed for the DEC system, so a computer that is compatible would be desirable, possibly a VAX or Stanford instrument. He said EMC has joined the Washington Library Network which allows

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sharing through a computer a great deal of information regarding periodicals and books. The library system functions on an IBM computer, therefore EMC needs approximately \$14,000 in order to acquire the IBM and remain a part of the system. Dr. Carpenter said that like the University of Montana and other DEC users, EMC's DEC equipment will no longer be manufactured or serviced by DEC.

Dr. Carpenter said that there are some concerns with the physical plant at EMC. He noted that EMC is served by Montana Dakota Utilities rather than Montana Power. MDU's rate is considerably higher than Montana Power's. Dr. Carpenter suggested that rather than using an inflation rate factor for EMC that the dollar amount be calculated on consumption rather than on historical dollar base.

Dr. Carpenter answered questions from the Subcommittee (67:A:160).

Following a short break, Dr. Fred DeMoney, President, Montana Tech, (EXHIBITS 26 and 27) opened the presentation on behalf of that school (67:A:182). Dr. DeMoney introduced the following Montana Tech people: Roy Turley, Vice President for Academic Affairs; Vic Burt, Acting Vice President for Fiscal and Administrative Services; Harold Chevron, Dean of Student Services; Don Hays, Dean of Engineering; Larry Twidwell, Professor of Metallurgy; Jim Michelotti, Computer Center Director; and students -- Sue Hergett, Dave Simmons and Pat Paustian. Dr. DeMoney also introduced Chuck Nelson, Acting Registrar and said that Student Body President, Ray Wright, would join the meeting later on.

Dr. DeMoney said the Accreditation Board for Engineering and Technology re-accredited all eight engineering programs at Montana Tech last year. The school's total budget for contract research is over \$2.5 million.

The school's placement record, while not at the 100 percent level which it has had in the past, has improved from last year. Ninety-five percent of the graduating seniors are in satisfactory career positions. The average salary for all graduates is slightly over \$25,000 per year.

Dr. DeMoney said the school needs to have the ability to transfer revenues between "soft money" categories like tuition and fees, indirect costs, and sales and services. The ability to do this would have helped the school in the past year when over \$77,000 was reverted to the General Fund because the school had more indirect costs than were appropriated. Dr. DeMoney said Montana Tech's organized research base, which was appropriated low in the last biennium, should be considered and revised. Despite industrial support, Montana Tech is still second from last in its peer group in the area of salaries.

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Regarding enrollment, Dr. DeMoney noted that the units in the system have peaked in different years. Montana Tech reached its peak in 1984. Between 1974 and 1984 the school grew from 683 students to 2,090, a 12 percent compounded growth rate. He discussed the drop in enrollment for 1985 and said the school has had drops in enrollment before. The overall trend for Montana Tech is upward. Between 1976 and 1985, Dr. DeMoney said the school was underfunded by 1,470 students. In the past there has been great disparity between funding and actual enrollment. If the school had been funded for all those students who were not funded it would be in much better shape than it is at present. Now, it's necessary for Montana Tech to ask for help in this transition period so that the harsh impact of a sudden and dramatic decrease in funding will not cripple the institution while it experiences the current enrollment drop.

Roy Turley (67:A:377) appeared next (EXHIBIT 28) to discuss Montana Tech's request for phase-down funds to handle the enrollment decrease. Montana Tech's appropriated budget for 1984-85 was \$10,207,163. The funding formula would project a budget of approximately \$9,100,000 at an FYFTE enrollment of 1,879 at 100 percent funding.

Dr. Turley said a reduction of approximately \$1,100,000 from the appropriated 1984-85 budget will have a major impact on the school's instructional quality. A net of 2.54 FTE faculty positions has already been cut by the school. An analysis of all remaining components in the instructional budget for salaries would require \$4,205,793 for 1985-86. This is \$317,000 over and above what would be available for salaries in the proposed budget. This shortfall would require the immediate release of nine to twelve faculty members. Cuts of this magnitude in the instructional budget cannot be made in one year without causing irreparable damage to the school's educational program, he said.

A three-year rolling average is often used by funding agencies to provide time for an institution to adjust to declining enrollments. A 10 percent reduction in faculty in a period of a year is possible, but would cause problems of faculty and student morale. The same reduction over a period of three years would permit the institution to take advantage of retirements, resignations, early retirements, and thus would require fewer direct terminations, Dr. Turley said.

The additional cost of this method of funding would be approximately \$486,000 for the first year of the biennium and \$223,000 for the second year of the biennium, Dr. Turley explained.

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Dr. Turley answered question from the Subcommittee (67:A:377).

Vic Burt (67:A:498) (EXHIBIT 29), said during the last biennium Montana Tech received an appropriation for \$5.5 million for a classroom lab building. This building is currently under construction and is scheduled for completion prior to the 1986-87 school year. The building will add approximately 55,000 square feet of new space to the campus and will require approximately two custodians and one maintenance man, plus normal maintenance, utilities and moving expenses. The cost estimate for this is \$180,000 for the second year of the biennium and is based on \$3 per square foot maintenance cost. This facility is a much needed addition to the campus, and new space adjustments have been consistently recognized and funded in the state's budget process, he said.

Jim Michelotti (67:A:539) (EXHIBIT 30) appeared next to discuss Montana Tech's computer requirements. There are 190 work stations connected to the main computer in the Mining and Geology Building. Montana Tech has a solid base in the computer area. There is an integrated network and state-of-the-art equipment. However, mainframe enhancement is needed by the school, and there is a modified request to cover this for \$195,000. The school has two DEC VAX'es and one DEC 1170. There is an increasing number of students who want to use the computers, even though enrollment is down. Mr. Michelotti introduced two students who discussed the need for computer enhancement.

The first student was Dave Simmons (67:A:629), who said the system at Montana Tech is overloaded, and this is frustrating to students. The requested enhancements would prevent the bottlenecks which occur now, he said.

Tape 67 Side B

The second student was Sue Hergett. She also said the present computer situation at Montana Tech is sometimes frustrating for students.

Mr. Michelotti (67:B:023), said the mainframe enhancement would provide more memory and more ports so that more people could use the computer.

Mr. Michelotti next discussed Montana Tech's request for microcomputers. This request is for \$114,500. The school installed its first micro lab in September of 1984. It is used primarily by the Business Department and by writing instructors. Approximately 400 students use the writing lab. The micro lab has relieved the mainframe to a considerable extent, he said.

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Mr. Michelotti introduced Pat Paustian (67:B:048), who discussed this request further. Ms. Paustian said that she is a Business Administration student with a minor in Computer Science. She said she has taken as many microcomputer classes as possible since the institution of the micro lab at Tech. She said she is able to use the various software packages for a number of classes and different applications. There is now a waiting list for the micro lab, and in order for the school to meet the students' needs, the micro lab should be expanded.

Ron Hays (67:B:072) discussed expanded research at Montana Tech (EXHIBIT 27). The school, through a program in metallurgical engineering, is a U.S. Bureau of Mines generic center satellite in mining waste. Under the Center for Energy and Mineral Research, the school operates the federally designated (Title 3) Montana Mining and Mineral Resources Research Institute. The school also operates the Fast Neutron Activation Analysis Laboratory and the Earthquake Studies Office. The Montana Tech Research Center was privately constructed and then donated to Tech. At this Center there is currently a program which is evaluating a portable mill for small mine operators. The school also has a program wherein research is being conducted on reclamation of hard-rock mining waste and coal drying and processing.

Dean Hays introduced Larry Twidwell (67:B:125), who discussed the research efforts of Montana Tech. One project that the school worked on was the treatment of copper smelter flue dust. The school has three projects currently underway on the treatment of copper electro refining waste and lead smelter spice. The school has other projects with a more national scope. Research efforts support the training of graduate students and enhance the school's ability to retain its faculty and enhance the reputation of the college. These efforts also supply research support for Montana's minerals industry.

Dean Hays (67:B:183) said Montana Tech has many cooperative programs with various organizations in the Butte area and throughout the state. Tech and Western Energy have a joint project underway in coal drying and processing. This is a significant project which has major implications for Western Energy regarding the marketability of Montana coal. Research is an integral part of Tech's academic program. The school cooperates in its research with the private sector, and this has economic benefits for the citizens of Montana and will result in more Tech graduates being employed in the state.

At this point, Dean Hays introduced Dave Dink, a graduate student in Metallurgy, who will be meeting with attorneys later on to discuss a patent on a process which was developed at the school. That patent could make significant contributions to the school and to the state, Dean Hays said.

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Dean Hays discussed the modified request for Energy and Mineral Technology Research Expansion (EXHIBIT 17). There are three parts to this proposed research program: (1) coal research, (2) petroleum research, and (3) hard-rock mined-land reclamation. The total cost would be \$533,074.

Professor Twidwell (67:B:292) discussed Montana Tech's modified request for x-ray analysis equipment (EXHIBIT 27). An x-ray diffractometer is an instrument for obtaining and recording computer-file searching and display and identification of x-ray patterns of materials. X-ray patterns are valuable data to metallurgists, geologists, chemists, environmental engineers, and others for analysis and improving material systems and processes. The current equipment at Tech is of 1950's vintage and is obsolete and unreliable. Professor Twidwell noted that most of the repairmen who work on their present equipment are younger than the equipment.

Dean Hays discussed (67:B:343) Montana Tech's request for a computer graphics system. (EXHIBIT 2.7) He said the system that the school is presently using is antiquated.

In closing, Dean Hays said he is proud to be at Montana Tech, and the students and their education are what "it's all about".

Dr. DeMoney, Dean Hays, Dr. Turley and Mr. Michelotti answered questions from the Subcommittee (67:B:402).

After a short break, Northern Montana College made its presentation.

Jim Erickson (67:B:471), President, Northern Montana College (NMC) spoke first. He introduced the following NMC personnel: Bill Byers, Director, Fiscal Affairs; Mary Ingle, member of the faculty; Ron Talmadge, faculty member; and Mike Waterwich, faculty member.

Northern Montana College strongly supports the system-wide requests and 100 percent funding of the formula. Attracting and keeping faculty is especially difficult for NMC because of its remote location, Dr. Erickson said. He pointed out that the formula itself has served the smaller units of the University system particularly well.

Dr. Erickson said NMC is the only technologically oriented school in the system. NMC does not duplicate either Montana Tech or MSU. For instance, NMC doesn't have an engineering school, however, drafting is taught at the school. NMC is a growing institution. (EXHIBITS 31-35) The growth should continue, he said. This is the age of technology - the type of technology that exists at Northern Montana College, Dr. Erickson said. Lower level technologists, draftsmen, automotive technologists, diesel specialists, these are the

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individuals who are going to make a major impact at this end of the twentieth century.

Dr. Erickson said the function of NMC is to educate as well as to train. Like the other units of the University System, NMC has responded to the necessity to produce an educated person. The school, like the other schools, has strengthened its general education program.

Dr. Erickson said the school has improved its library and is now part of the Washington Library Network. The new main-frame computer is up and running and will be a great help to the school.

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Dr. Erickson said every effort will be made to make Northern Montana College the best technologically oriented college in the northwest. This is an achievable objective. Over the next biennium, the school will continue to make capital acquisitions and to continue its program improvements.

Bill Byers (68:A:014) discussed NMC's modified requests (EXHIBIT 31). Mr. Byers said starting on July 1 of this year the school will have a 100 percent water rate increase. The school is requesting a new phone system. The present system is an old mechanical one which is no longer being manufactured by Mountain Bell. The amount being requested is \$125,000. The second request is for additional security personnel, specifically two FTE, at a cost of \$63,000. The third request is for \$3,500 in order to pay an annual assessment for the county refuse district. The next request discussed by Mr. Byers is for an additional grounds person at \$32,000 for the biennium. The fifth request is for an increase of \$48,000 for maintenance funds. This is a base adjustment which will allow the hiring of a heating and cooling specialist to repair and to maintain the efficient operation of boilers, air conditioners and air handling units. The final request is for maintenance contracts for elevators for \$12,350 for the biennium.

Senator Stan Stephens (68:A:114), Senate District 8, said he supports Northern Montana College's budget proposal.

Senator Allen Kolstad, District 7, also leant his support to Northern Montana College.

Dr. Erickson (68:A:118) reiterated that the objective of Northern Montana College is to be the best technologically oriented school in the northwest. This is a motivating factor behind the substantial strengthening of the general education program at the school.

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Dr. Erickson said NMC has chosen to concentrate in three specific areas (EXHIBIT 34). These areas are typified by the microcomputer laboratory, the word processing laboratory and the automotive diagnostic laboratory. The heart of any campus is its faculty. Dr. Erickson next presented three faculty members to discuss the school's achievements.

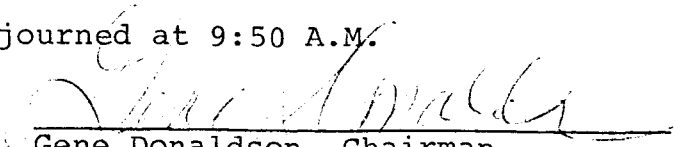
Dr. Mary Ingle (68:A:174), Language Arts Department, discussed the word processing laboratory, which was funded by the Computer Use Committee. The school has a word processing laboratory with 17 DEC-Mate II units, which is shared by the Business Department for word processing classes and by the English area of the Arts and Languages Department for writing classes. With this lab, the Language Arts Department has been able to move to the forefront of writing instruction, Dr. Ingle said. Students are taught to create and edit text on the machines through the Language Arts Department. The word processor allows the incorporation of substantive revision into writing courses.

Dr. Ron Talmadge (68:A:253) discussed NMC's Microcomputer Laboratory. The Microcomputer Lab is a project that was started about two years ago. The microcomputers in the lab are networked so that software can be shared. Monitors are connected to the teacher's station. This allows students to have a lot of "hands on" experience with the computers. The buildup of software in the system has allowed modification of what is being taught. Originally, just programming was taught, but now with the great availability of commercial software, a lot of time is spent training students to be competent users of the software that is available. Approximately 1,000 students are served by the Microcomputer Lab, he said.

Mike Waterwich (68:A:302) discussed the Automotive Diagnostic Laboratory. The lab's new chassis dynamometer now has over 300 hours on it. The lab also has a 4-gas analyzer, another valuable asset to the Diagnostic Lab.

Dr. Erickson (68:A:363) concluded Northern Montana College's presentation. He said the people who just spoke to the Subcommittee are the people who are "going to make it happen" at Northern.

ADJOURN: The meeting adjourned at 9:50 A.M.


Gene Donaldson, Chairman

DAILY ROLL CALL

EDUCATION SUB COMMITTEE

49th LEGISLATIVE SESSION -- 1985

Date February 20, 1985

[illegible]

VISITORS' REGISTER

EducationSub

COMMITTEE

BILL NO. _____

DATE

Feb. 20, 1985

SPONSOR _____

NAME (please print)	RESIDENCE	SUPPORT	OPPOSE
Keyn Heikes	EMC - Billings	✓	
Wfc Bart.	MT. Tech. - Butte	✓	
in Enghen	NMC - Harre	✓	
Bill Brown	" "	✓	
Bruce Dwyer	MBH - Eoster	✓	
James M. Hays	MT Tech. - Butte	✓	
Harold Chuvatt	MT Tech - Butte	✓	
Fred De Mory	" "	✓	
Bruce Dwyer	Billings HD91	✓	
Loy H. Dwyer	mt. Tech. Butte	✓	
Brace H. Carpenter	EMC - Billings	✓	
Sam Raulin	EMC	✓	
Dave Cross	Billings Chamber of Commerce	✓	
Steve Benninghoff	Com of Hikes Ed	✓	
Jack M. Hall	" " "	✓	
Glenn D. Savitt	WMC - Dillon	✓	
John M. Hall	HD 97	✓	
Richard Mockler	EMC-WMC-NMC-TECH	✓	
Bob Thomas	WMC	✓	

IF YOU CARE TO WRITE COMMENTS, ASK SECRETARY FOR WITNESS STATEMENT FORM.

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

VISITORS' REGISTER

EducationSub COMMITTEE

BILL NO. _____

DATE Feb. 20, 1985

SPONSOR _____

NAME (please print)	RESIDENCE	SUPPORT	OPPOSE
JEFF MORRISON	BOARD OF REGENTS	X	
Les Bittselman HD 95	MBIA Eastern Billings	X	
Red Garcia HD 93	Billings	X	
Montano HD 96	BILLINGS	X	
Tom Hammer HD 86	BILLINGS	X	
McElsen HD 98	Laurel	X	
Vernon Keller HD 83	Frederick	X	
Thom Hagg SD 46	Billings	X	
Kelly Kelly HD 94	Billings	X	
Jack Ramirez HD 87	Billings EMC MBA	X	
Jack Sanders HD 90	Billings	X	
Thom Hagg SD 48	Billings	X	
Chet Blaylock SD 43	Laurel	X	

IF YOU CARE TO WRITE COMMENTS, ASK SECRETARY FOR WITNESS STATEMENT FORM.

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.



EASTERN
MONTANA COLLEGE

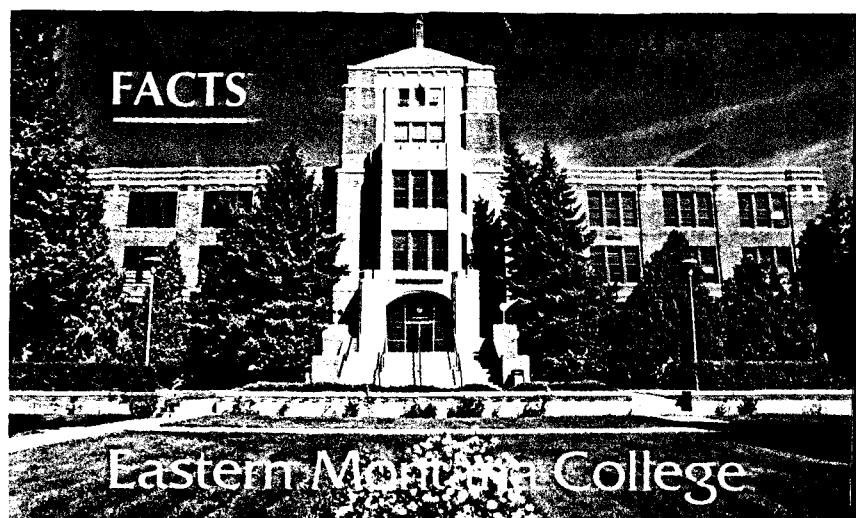
EXHIBIT 1
2-20-85

1500 North 30th Street, Billings, Montana 59101-0298

HEARING OUTLINE
Education Sub-Committee
Feb. 20, 1985

- I. Introductions
- II. Campus Developments
 - A. General Education
 - B. Foreign Language
 - C. Teacher Preparation
 - D. Accreditation
 - E. Planning and Program Review
- III. Student Body
 - A. Demographics
 - B. Graduates
- IV. Faculty
- V. Funding
 - A. Peers
- VI. Program Modifications
 - A. General Issues
 - B. MBA
 - C. Computers
 - D. Montana Center for Handicapped Children

EXHIBIT 2
2-20-85





Eastern Montana College, the third largest of six units in the tax-supported Montana University System, was founded in 1927. It is a comprehensive, multi-purpose college offering numerous undergraduate degrees in Business and Economics, Arts and Sciences, and Education. Master degree options are available through the School of Education.

LOCATION



Eastern is located in Billings, the largest city in Montana with a metropolitan area population exceeding 100,000. The "Magic City" is a transportation, medical, wholesale, and retail trade center situated along the Yellowstone River on Interstate highways 90 and 94.

ADMINISTRATION



Dr. Bruce H. Carpenter, President
Dr. Samuel H. Rankin, Academic Vice President
Mr. Kenneth W. Heikes, Administrative Vice President
Dr. Lowell A. Dunlop, Dean of Students
Dr. Andre B. Corbeau, Dean, School of Business and Economics
Dr. Benedict J. Surwill, Dean, School of Education
Dr. Robert G. Culbertson, Dean, School of Arts and Sciences

FACULTY AND STAFF



Full-time Teaching Faculty	160
(Student-Faculty Ratio: 18.89 to 1)	
Administrators	36
Employee Staff	240

ENROLLMENT



More than 4200 students representing all of Montana's 56 counties, 27 states, and 10 foreign countries are enrolled in the following areas:

School of Business and Economics
School of Arts and Sciences
School of Education

DEGREES



Through the Schools of Business and Economics, Education, and Arts and Sciences Eastern offers a variety of academic program options including Associate of Arts degrees, Bachelor's degrees and Master's degrees in addition to a number of pre-professional

programs.

Eastern is fully accredited by the Northwest Association of Schools and Colleges, by the National Council for the Accreditation of Teacher Education through the Master of Education degree and the Master of Science in Special Education degree, by the National Association of the Schools of Music, by the National Association of Schools of Art and Design, and by the Council on Rehabilitation Education.

CALENDAR



Fall Quarter: September to December

Winter Quarter: January to March

Spring Quarter: April to June

Summer Quarter: June to August

CAMPUS



Eastern's 100-acre campus, at the foot of majestic sandstone cliffs overlooking the city, is one of the loveliest in Montana. Beautifully landscaped grounds enhance each of the 14 buildings. Three residence halls offer housing for single, full-time students. The Physical Education complex which is used for instruction, recreation and inter-collegiate athletics, has a 4,000 seat arena, a practice gymnasium, a collegiate-size swimming pool, an enclosed running track, and racquetball-handball courts. Also, there are tennis courts on campus.

LIBRARY



The catalogued books and periodicals, which form the nucleus of the Library's collections, number over 140,000 volumes and are supplemented by more than 390,000 units of microforms, approximately 200,000 U.S. government documents, over 40,000 maps, and nearly 10,000 other non-book media. There is also a large indexed collection of Montana documents and clippings. The Library is a selective depository for Federal and State of Montana publications, and has been designated as a map reference library by the U.S. Geological Survey. Eastern also has an extensive inter-library loan service and has several scholarly research collections. Additionally, the College is affiliated with the Washington Library Network.

COSTS



Basic expenses for a full-time student including tuition, books, and fees total about \$1,200.00 per year. Non-Montana residents pay an additional per quarter fee. Several options are available to students who choose to live on campus in the residence halls. The cost is approximately \$2,700.00 for the academic year.

More than 50 per cent of students attending Eastern receive financial aid and scholarships available range from \$50 to \$4000.

CONTINUING EDUCATION



Under the auspices of the Center for Continuing Education and Community Service, more than 2,400 people enroll for course work. Also, some 120 noncredit classes, workshops, seminars, and conferences are scheduled which offer additional learning experiences for nearly 2,000 participants.

FINE ARTS



Students at Eastern have the opportunity to compete and perform on campus, locally, nationally, and internationally through fine arts programs. In particular, art, music and theatre have active organizations. The students and faculty are creative in bringing to the campus art exhibits, and dignitaries of national and international reputation, and performing groups. A new music facility houses the Music Department and features an acoustically designed recital hall which provides seating for more than 200 people.

INTERCOLLEGIATE ATHLETICS



Eastern is a member of the National Collegiate Athletic Association Division II and offers competition in cross country, basketball, gymnastics, track, golf, women's volleyball, and tennis. The men's basketball squad is a charter member of the Great Northwest Conference, and the women have affiliated with the Continental Divide Conference in basketball and volleyball.

SPECIAL SERVICES



Career Life Planning
Conference Facilities
Financial Aid and Student Employment
General Studies Advising
Gerontology Center
Indian Career Services
Institute for Habilitative Services
KEMC-FM Radio Station
Montana Center for Handicapped Children
Native American Studies
Non-Traditional Student Center
Placement Services (with over 90 percent of the registered graduates satisfactorily placed)
Women's Studies

ALUMNI



The EMC Alumni Association is in regular contact with about 8500 Eastern graduates across the country (5700 in Montana) and a special benefits program is available to Alumni Association members.

FOUNDATION



The EMC Foundation receives and administers gifts, grants, and bequests to support scholarships, research, and special needs of the College which cannot be met through public funds. It is incorporated by the State of Montana as a non-profit organization for charitable and educational purposes.

Billings Area

CHAMBER OF COMMERCE

EXHIBIT 3

2-20-85



TESTIMONY IN SUPPORT OF THE ESTABLISHMENT OF A MASTERS OF BUSINESS ADMINISTRATION PROGRAM AT EASTERN MONTANA COLLEGE IN BILLINGS, MONTANA.

A major reason that many businesses exist in a particular location is because there is a market to be served. It is for this reason that the Billings Area Chamber of Commerce believes a Masters of Business Administration program should be established at Eastern Montana College in Billings.

Because of Billings' role as a regional center for business, there is a large number of people employed in professional, financial, marketing and administrative positions. The number of these workers has been growing and will continue to grow in the future.

Many of the people that are and will be filling these positions are very education oriented. In today's complex business world, higher and continuing education plays a major role in an individual's ability to "move up" in business.

Therefore, it is obvious that there is a market for a Masters of Business Administration program at Eastern. This is further supported by the attached letters from a number of existing businesses indicating their support for this program.

The proposal being considered would address this existing market by being designed in such a fashion as to allow people to continue their present employment while working towards their M. B. A. degree.

The Chamber believes that the initial costs for establishing the M. B. A. program should be viewed as an investment in Montana's economy. If people are able to continue in their present employment while continuing their education, there will not be a reduction in tax revenue which will occur if people have to quit working to go to school or take lower paying part time jobs. And if people are able to obtain a higher education, this will often result in higher paying jobs which means more tax dollars to the state.

The Chamber urges you to meet the need of an existing market and invest in the future by approving the appropriation for the Masters of Business Administration program at Eastern Montana College.



EXHIBIT 4
2-20-85

Internationally
DUNWOODY ROBSON McGLADREY & PULLEN

February 14, 1985

Dear Reader:

As an employer and citizens of Montana, we are concerned about the quality of higher education in Montana. One of the primary requisites for quality is adequate funding to provide qualified instructors and to make the desired courses available.

One such course is the Masters of Business Administration (MBA) program proposed for Eastern Montana College in Billings. This city is the financial and business center of the state. As an employer, we try to attract the best people for employment. Having an institution of higher education for these people to continue with their advanced studies is imperative. There are more jobs in Billings to attract people but many other aspects of their needs for a quality life are lacking. Therefore, many of our best people must leave the state and take that energy and tax base with them. We are in favor of and would support an MBA program at Eastern Montana College.

The initial budget request for the program appears to be more than adequate. The actual additional out-of-pocket costs needed to provide this program should be determined and funded. It is better to have a program with limited funding than no program at all.

A related point is that a fee structure different from that of normal higher education courses should be explored. Since most of the participants will be employed full-time and attending classes on a part-time basis, a higher fee to recoup some of the costs unique to this program could be established.

It is the responsibility of us all to insure that everyone has the opportunity to pursue his objectives within our state. Montana has been an exporter of good people long enough. Your support for a cooperative MBA program in Billings can be a large part of stemming this tide. Thank you for your consideration of this worthwhile program.

Very truly yours,

McGLADREY HENDRICKSON & PULLEN

Monte R. Malnaa, Partner

cc: President Bruce H. Carpenter
Eastern Montana College

First Federal Savings Bldg., Suite 428, P. O. Box 2020, Billings, Montana 59103, (406) 245-2020

Western BUSINESS

Unicorn Communications

P.O. Box 31678
401 North Broadway
Billings, MT 59107
(406) 252-4788

EXHIBIT 5
2-20-85

February 14, 1985

Bruce Carpenter
President
Eastern Montana College
1500 No. 30th Street
Billings, MT 59101-0298

Dear Mr. Carpenter:

Billings, like many other cities across America, is trying to expand its economic base. I believe that the expansion effort is in the best interests of the State of Montana, not just the community of Billings. Like the manufacturing plants of the Midwest, Montana's historic industries are crumbling. Mining is essentially dead, agriculture and lumber are in serious trouble, and tourism cannot begin to fill the void.

Eastern Montana College can play a significant role in this economic expansion activity by continuing to provide quality educational opportunities to the community. Of particular importance is the addition of a Masters Program to the School of Business. How this is accomplished is not a major concern of the local business community, however, the timing is a major concern. The economic system in this country is going through a radical change. Education offers us the best hope of coping with that change. With that in mind, I would encourage you to do everything in your power to get approval for the M.B.A. Program during this legislative session.

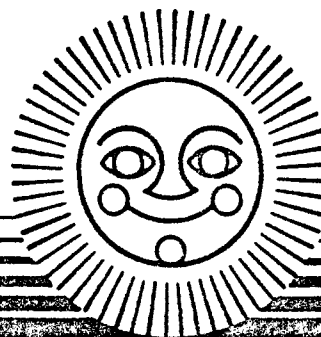
This program is needed not just for the existing businesses, but also as a tool in drawing new businesses to our community. Billings is the business and economic center of the state. Billings is growing and has a positive national image. As every good businessman knows, you build on your strengths, not on your weaknesses, and since Billings is clearly the strongest city in the state economically, I believe this is where we should start to rebuild. The M.B.A. Program would not only serve to make existing Billings businesses more efficient, but serve as a signal to potential new businesses, either starting up or relocating here, that the resources will be available for them to grow and prosper.

I could cite some statistics about how many of our 200 employees may take advantage of this program, however, that is a short term statistic that is not even relevant to the subject. As a company, we will support those that do both financially and otherwise. The important thing is to develop

EXHIBIT 6
2-20-85

P.O. BOX 2507
BILLINGS, MONTANA 59101
406-657-1200

The Billings Gazette



GEORGE D. REMINGTON, Publisher

February 14, 1985

Dr. Bruce Carpenter
President
Eastern Montana College
Billings, Montana 59101

Dear Bruce:

This will confirm the long-standing support of The Billings Gazette for an MBA program at Eastern Montana College.

I am confident that several of our present employees would enroll in an MBA program if it were offered at Eastern and that the same would be true in future years.

The Gazette has a tuition-refund program that would offer financial support for employees who choose to enroll in both graduate and undergraduate programs provided they make passing grades.

I am sure other business leaders in Billings share my opinion that an MBA program at Eastern is needed to enhance Billings' position as the "Business Capital of Montana."

Sincerely,

George D. Remington

GDR:vw

Mr. Bruce Carpenter
February 14, 1985
Page Two

an environment in this state where businesses can succeed and grow.

As a taxpayer and native Montanan, I want to see us make the most of our scarce financial resources. I believe that Education is an investment. We need to convince the legislature that the M.B.A. Program is an investment in Billings and Montana's future.

Respectfully,

A handwritten signature in cursive script, appearing to read "Bill Forhan".

William E. Forhan
President
School of Business and Economics
Advisory Board

WEF:ds



United States Department of the Interior

EXHIBIT 7
2-20-85

BUREAU OF RECLAMATION
Upper Missouri Region
P.O. Box 2553
Billings, Montana 59103

IN REPLY
REFER TO: UM-500

FEB 15 1985

Dr. Bruce H. Carpenter
President, Eastern Montana College
1500 North 30th Street
Billings, MT 59102

Dear Dr. Carpenter:

Last spring I had an opportunity to participate in a meeting concerning an initiative by Eastern Montana College to develop a graduate program in business administration.

As a prominent Federal agency and employer in the Billings community, we endorse Eastern's efforts to establish an MBA curriculum. We think the availability of such an educational resource would enhance our organization's management development endeavors. It would also serve well the individual career goals of our employees.

We are hopeful that Eastern's plans regarding an MBA program materialize in the near future.

Sincerely yours,

Donald R. Glaser, Assistant
Regional Director - Administration



EXHIBIT 8
2-20-85

Internationally
DUNWOODY ROBSON McGLADREY & PULLEN

February 15, 1985

Mr. Bruce Carpenter, President
Eastern Montana College
Billings, Montana

Dear President Carpenter:

At the request of JoAnn Sheridan, I am writing to express my support for an MBA Program at Eastern Montana College. As a business advisor to a diversified group of clientele, I am aware of the need for additional educational opportunities for people in the Billings community. A masters program could help supply the educational needs of full time students and working business people who require additional academic training. Properly structured and operated, a masters program could be a source of vitality for a more sophisticated and creative business community.

Very truly yours,

McGLADREY HENDRICKSON & PULLEN---

A handwritten signature in dark ink that reads 'Bruce A. Cahill'. The signature is written in a cursive, slightly slanted style.

Bruce A. Cahill, Partner

SCW



Robert B. Blomeyer
Manager
Refining Department
Billings Refinery

Conoco Inc.
P.O. Box 2548
Billings, MT 59103
(406) 252-3841

EXHIBIT 9
2-20-85

February 14, 1985

President Bruce H. Carpenter
Eastern Montana College
1500 North 30th Street
Billings, MT 59101-0298

Dear President Carpenter:

Conoco, through its various support and grant programs, has been a long term friend of higher education. I want to take this opportunity to express my support to the development of a MBA Program at Eastern.

Conoco brings many professional employees to Billings for extended training periods. Many of these young men and women are enrolled in MBA Programs prior to their transfer. The absence of a MBA degree in Billings brings their educational advancement to a halt.

It is my hope that our legislators will find both the wisdom and the money to fund this degree at your fine school.

Very truly yours,

Robert B. Blomeyer
Robert B. Blomeyer

bjc

EXHIBIT 10
2-20-85

February 14, 1985

Dr. Bruce Carpenter, President
Eastern Montana College
Billings, MT 59101

Dear Dr. Carpenter:

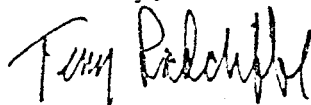
This is a letter of support for an M.B.A. program at E.M.C. in Billings.

An M.B.A. program in Billings would be to our advantage, and to the benefit of the community. In the past, a health care manager could maintain his/her position with a minimum of marketing, finance, information systems, and management education. However, the entire health care delivery system has changed in the last three years. Our managers need, and they want, the skills offered by an M.B.A. program. At the present, our options are limited. We would like to have a situation where our people can continue to work full-time and take M.B.A. classes part time. Our indications here are that at least 10-12 people would enroll in the program.

An M.B.A. program at E.M.C. would also benefit the community. The program would attract quality people and provide a quality work force.

If I can be of further assistance please give me a call.

Sincerely,



Terry Radcliffe
Director of Education

TR/wmk



Hart-Albin Company

EXHIBIT 11
2-20-85

BILLINGS, MONTANA 59103

February 18, 1985

Mr. Francis Bardanouve
House of Representatives
Montana Legislature
State Capitol
Helena, Montana

Dear Mr. Bardanouve:

I am writing to express my unqualified support for the proposed M.B.A. program to be offered at Eastern Montana College through the cooperation of the Graduate School of Business of the University of Montana.

When the possibility of this program being offered was announced two years ago, the response from interested persons was quite overwhelming. In less than one day all the interview times for an entire week were reserved. Over 200 people exhibited definite intentions of enrolling in the M.B.A. program for that fall. Most of these were persons holding middle management jobs with Billings companies. These people, while keenly interested in improving their career possibilities through the acquisition of an M.B.A. degree, could not afford to give up their jobs and move to Missoula to attend classes on the University of Montana campus.

Some persons from as far away as Miles City said they would drive in twice a week to attend classes held at Eastern.

As you know, this program was not funded by the 1983 legislature. However, the need and the interest still exists.

By affording this opportunity to people in this area, the University System will have taken a giant step forward in becoming truly a State System of Higher Education, rather than six separate institutions.

I urge your support, and the support of your committee in bringing this program into being. I am sure it fills a growing need for this geographical area.

Sincerely,

Dwight B. Hart

Chairman
Hart-Albin Company

EXXON COMPANY, U.S.A.

POST OFFICE BOX 1163 • BILLINGS, MONTANA 59103-1163

EXHIBIT 12
2-20-85

REFINING DEPARTMENT
BILLINGS REFINERY

February 19, 1985

The Honorable Francis Bardanouve
Chairman, Committee on House Appropriations
House of Representatives
Helena, Montana 59601

Dear Mr. Bardanouve:

Exxon employs 70 professional employees at the Billings Refinery. Many of our employees considered continuing their education but have found the choices to be limited at local colleges. One of the more frequent interests expressed by our professional employees is pursuing an MBA degree. In fact, we currently have an engineer on leave of absence pursuing an MBA degree out of state. We also find that prospective employees, especially recent graduates, are very interested in living in a community that offers an active continuing education program.

Therefore, we support HB 802 to provide an MBA program at Eastern Montana College. We feel this program would not only benefit Exxon but would be an asset to the entire community.

Sincerely,



H. H. Hubble
Tech/Admin Manager

HHH:caw



Norwest Bank Billings, N. A.
175 North 27th Street
Post Office Box 30058
Billings, Montana 59117
406/657-3400

EXHIBIT 13
2-20-85

February 15, 1985

Francis Bardanouve
Chairman, House
Appropriations Committee
State Capitol
Helena, Montana 59601

Dear Representative Bardanouve:

I am writing this letter as an individual and as a representative of Norwest Bank Billings, N.A. We employ a staff in excess of 160 people.

I want to express support for the MBA program proposed for Eastern Montana College in cooperation with the University.

Billings has need of such a program to attract and retain employees who want to pursue an advanced degree. Surveys conducted here estimate as many as 1,000 persons in the trade area desire this program. Similarly, an MBA program here would contribute significantly to attracting additional employers to Billings by demonstrating advanced education opportunities for their staffs.

Please give this legislation your favorable consideration.

Sincerely,

A handwritten signature in dark ink, appearing to read "James A. Fougerson".

James A. Fougerson
Senior Vice President

JAF:me



Mountain Bell

214 N 30

Billings, MT. 59101

EXHIBIT 14
2-20-85

Billings, Montana
February 14, 1985

Francis Bardanoue
Chairman
House of Appropriations Committee

I am writing to request your favorable consideration of legislation that would fund an MBA program at Eastern Montana College here in Billings.

I am a lifelong Montanan and a graduate of the University System (MSU in Bozeman). Since moving to Billings however, I have become acutely aware of the problem caused by not having access to a full University program, especially in the area of advanced studies.

To continue to deprive the largest single employment base from this resource does not seem to be in Montana's best interests. Those hurt most are the already employed college graduates needing and desiring advanced degrees. Since these people are already in our employment base it follows that the likelihood of them remaining in Montana is great. This would seem to counter the argument that we sometimes hear in regard to educating our young people for export to other states.

As a local business manager and Billings Chamber of Commerce member, I thank you in advance for your consideration and support.

Sincerely,

Dan L. Walker
Area District Manager



Internationally
DUNWOODY ROBSON McGLADREY & PULLEN

February 14, 1985

EXHIBIT 15
2-20-85

Dear Reader:

As an employer and citizens of Montana, we are concerned about the quality of higher education in Montana. One of the primary requisites for quality is adequate funding to provide qualified instructors and to make the desired courses available.

One such course is the Masters of Business Administration (MBA) program proposed for Eastern Montana College in Billings. This city is the financial and business center of the state. As an employer, we try to attract the best people for employment. Having an institution of higher education for these people to continue with their advanced studies is imperative. There are more jobs in Billings to attract people but many other aspects of their needs for a quality life are lacking. Therefore, many of our best people must leave the state and take that energy and tax base with them. We are in favor of and would support an MBA program at Eastern Montana College.

The initial budget request for the program appears to be more than adequate. The actual additional out-of-pocket costs needed to provide this program should be determined and funded. It is better to have a program with limited funding than no program at all.

A related point is that a fee structure different from that of normal higher education courses should be explored. Since most of the participants will be employed full-time and attending classes on a part-time basis, a higher fee to recoup some of the costs unique to this program could be established.

It is the responsibility of us all to insure that everyone has the opportunity to pursue his objectives within our state. Montana has been an exporter of good people long enough. Your support for a cooperative MBA program in Billings can be a large part of stemming this tide. Thank you for your consideration of this worthwhile program.

Very truly yours,

McGLADREY HENDRICKSON & PULLEN

Monte R. Malnaa, Partner

cc: President Bruce H. Carpenter
Eastern Montana College

First Federal Savings Bldg., Suite 422, P. O. Box 2020, Billings, Montana 59103, (406) 245-2020

Western BUSINESS

Unicorn Communications
P.O. Box 31678
401 North Broadway
Billings, MT 59107
(406) 252-4788

EXHIBIT 16
2-20-85

February 14, 1985

Bruce Carpenter
President
Eastern Montana College
1500 No. 30th Street
Billings, MT 59101-0298

Dear Mr. Carpenter:

Billings, like many other cities across America, is trying to expand its economic base. I believe that the expansion effort is in the best interests of the State of Montana, not just the community of Billings. Like the manufacturing plants of the Midwest, Montana's historic industries are crumbling. Mining is essentially dead, agriculture and lumber are in serious trouble, and tourism cannot begin to fill the void.

Eastern Montana College can play a significant role in this economic expansion activity by continuing to provide quality educational opportunities to the community. Of particular importance is the addition of a Masters Program to the School of Business. How this is accomplished is not a major concern of the local business community, however, the timing is a major concern. The economic system in this country is going through a radical change. Education offers us the best hope of coping with that change. With that in mind, I would encourage you to do everything in your power to get approval for the M.B.A. Program during this legislative session.

This program is needed not just for the existing businesses, but also as a tool in drawing new businesses to our community. Billings is the business and economic center of the state. Billings is growing and has a positive national image. As every good businessman knows, you build on your strengths, not on your weaknesses, and since Billings is clearly the strongest city in the state economically, I believe this is where we should start to rebuild. The M.B.A. Program would not only serve to make existing Billings businesses more efficient, but serve as a signal to potential new businesses, either starting up or relocating here, that the resources will be available for them to grow and prosper.

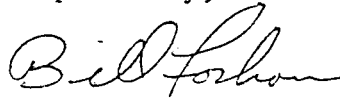
I could cite some statistics about how many of our 200 employees may take advantage of this program, however, that is a short term statistic that is not even relevant to the subject. As a company, we will support those that do both financially and otherwise. The important thing is to develop

Mr. Bruce Carpenter
February 14, 1985
Page Two

an environment in this state where businesses can succeed and grow.

As a taxpayer and native Montanan, I want to see us make the most of our scarce financial resources. I believe that Education is an investment. We need to convince the legislature that the M.B.A. Program is an investment in Billings and Montana's future.

Respectfully,

A handwritten signature in cursive script, appearing to read "Bill Forhan".

William E. Forhan
President
School of Business and Economics
Advisory Board

WEF:ds

The Billings Gazette



P.O. BOX 2507
BILLINGS, MONTANA
406-657-1200

GEORGE D. REMINGTON, Publisher

EXHIBIT 17

February 14, 1985²⁻²⁰⁻⁸⁵

Dr. Bruce Carpenter
President
Eastern Montana College
Billings, Montana 59101

Dear Bruce:

This will confirm the long-standing support of The Billings Gazette for an MBA program at Eastern Montana College.

I am confident that several of our present employees would enroll in an MBA program if it were offered at Eastern and that the same would be true in future years.

The Gazette has a tuition-refund program that would offer financial support for employees who choose to enroll in both graduate and undergraduate programs provided they make passing grades.

I am sure other business leaders in Billings share my opinion that an MBA program at Eastern is needed to enhance Billings' position as the "Business Capital of Montana."

Sincerely,

George D. Remington

GDR:vw



United States Department of the Interior

BUREAU OF RECLAMATION
Upper Missouri Region
P.O. Box 2553
Billings, Montana 59103

IN REPLY
REFER TO: UM-500

FEB 15 1985

EXHIBIT 18
2-20-85

Dr. Bruce H. Carpenter
President, Eastern Montana College
1500 North 30th Street
Billings, MT 59102

Dear Dr. Carpenter:

Last spring I had an opportunity to participate in a meeting concerning an initiative by Eastern Montana College to develop a graduate program in business administration.

As a prominent Federal agency and employer in the Billings community, we endorse Eastern's efforts to establish an MBA curriculum. We think the availability of such an educational resource would enhance our organization's management development endeavors. It would also serve well the individual career goals of our employees.

We are hopeful that Eastern's plans regarding an MBA program materialize in the near future.

Sincerely yours,

Donald R. Glaser, Assistant
Regional Director - Administration



Internationally
DUNWOODY ROBSON McGLADREY & PULLEN

February 15, 1985

EXHIBIT 19
2-20-85

Mr. Bruce Carpenter, President
Eastern Montana College
Billings, Montana

Dear President Carpenter:

At the request of JoAnn Sheridan, I am writing to express my support for an MBA Program at Eastern Montana College. As a business advisor to a diversified group of clientele, I am aware of the need for additional educational opportunities for people in the Billings community. A masters program could help supply the educational needs of full time students and working business people who require additional academic training. Properly structured and operated, a masters program could be a source of vitality for a more sophisticated and creative business community.

Very truly yours,

McGLADREY HENDRICKSON & PULLEN

A handwritten signature in cursive script that reads 'Bruce A. Cahill'.

Bruce A. Cahill, Partner

SCW

EXHIBIT 20
2-20-85

February 14, 1985

Dr. Bruce Carpenter, President
Eastern Montana College
Billings, MT 59101

Dear Dr. Carpenter:


This is a letter of support for an M.B.A. program at E.M.C. in Billings.

An M.B.A. program in Billings would be to our advantage, and to the benefit of the community. In the past, a health care manager could maintain his/her position with a minimum of marketing, finance, information systems, and management education. However, the entire health care delivery system has changed in the last three years. Our managers need, and they want, the skills offered by an M.B.A. program. At the present, our options are limited. We would like to have a situation where our people can continue to work full-time and take M.B.A. classes part time. Our indications here are that at least 10-12 people would enroll in the program.

An M.B.A. program at E.M.C. would also benefit the community. The program would attract quality people and provide a quality work force.

If I can be of further assistance please give me a call.

Sincerely,



Terry Radcliffe
Director of Education

TR/wmk



Hart-Albin Company

EXHIBIT 21
2-20-85

BILLINGS, MONTANA 59103

February 18, 1985

Mr. Francis Bardanouve
House of Representatives
Montana Legislature
State Capitol
Helena, Montana

Dear Mr. Bardanouve:

I am writing to express my unqualified support for the proposed M.B.A. program to be offered at Eastern Montana College through the cooperation of the Graduate School of Business of the University of Montana.

When the possibility of this program being offered was announced two years ago, the response from interested persons was quite overwhelming. In less than one day all the interview times for an entire week were reserved. Over 200 people exhibited definite intentions of enrolling in the M.B.A. program for that fall. Most of these were persons holding middle management jobs with Billings companies. These people, while keenly interested in improving their career possibilities through the acquisition of an M.B.A. degree, could not afford to give up their jobs and move to Missoula to attend classes on the University of Montana campus.

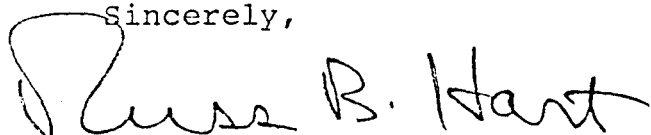
Some persons from as far away as Miles City said they would drive in twice a week to attend classes held at Eastern.

As you know, this program was not funded by the 1983 legislature. However, the need and the interest still exists.

By affording this opportunity to people in this area, the University System will have taken a giant step forward in becoming truly a State System of Higher Education, rather than six separate institutions.

I urge your support, and the support of your committee in bringing this program into being. I am sure it fills a growing need for this geographical area.

Sincerely,

Russ B. Hart

Chairman
Hart-Albin Company

EXXON COMPANY, U.S.A.

POST OFFICE BOX 1163 • BILLINGS, MONTANA 59103-1163

EXHIBIT 22
2-20-85

REFINING DEPARTMENT
BILLINGS REFINERY

February 19, 1985


The Honorable Francis Bardanouve
Chairman, Committee on House Appropriations
House of Representatives
Helena, Montana 59601

Dear Mr. Bardanouve:

Exxon employs 70 professional employees at the Billings Refinery. Many of our employees considered continuing their education but have found the choices to be limited at local colleges. One of the more frequent interests expressed by our professional employees is pursuing an MBA degree. In fact, we currently have an engineer on leave of absence pursuing an MBA degree out of state. We also find that prospective employees, especially recent graduates, are very interested in living in a community that offers an active continuing education program.

Therefore, we support HB 802 to provide an MBA program at Eastern Montana College. We feel this program would not only benefit Exxon but would be an asset to the entire community.

Sincerely,



H. H. Hubble
Tech/Admin Manager

HHH:caw



Norwest Bank Billings, N. A.
175 North 27th Street
Post Office Box 30058
Billings, Montana 59117
406/657-3400

EXHIBIT 23
2-20-85

February 15, 1985

Francis Bardanouve
Chairman, House
Appropriations Committee
State Capitol
Helena, Montana 59601

Dear Representative Bardanouve:

I am writing this letter as an individual and as a representative of Norwest Bank Billings, N.A. We employ a staff in excess of 160 people.

I want to express support for the MBA program proposed for Eastern Montana College in cooperation with the University.

Billings has need of such a program to attract and retain employees who want to pursue an advanced degree. Surveys conducted here estimate as many as 1,000 persons in the trade area desire this program. Similarly, an MBA program here would contribute significantly to attracting additional employers to Billings by demonstrating advanced education opportunities for their staffs.

Please give this legislation your favorable consideration.

Sincerely,

A handwritten signature in dark ink, appearing to read "James A. Fougerson".

James A. Fougerson
Senior Vice President

JAF:me



Mountain Bell

214 N 30

Billings, MT. 59101

Billings, Montana
February 14, 1985

EXHIBIT 24
2-20-85

Francis Bardanouve
Chairman
House of Appropriations Committee

I am writing to request your favorable consideration of legislation that would fund an MBA program at Eastern Montana College here in Billings.

I am a lifelong Montanan and a graduate of the University System (MSU in Bozeman). Since moving to Billings however, I have become acutely aware of the problem caused by not having access to a full University program, especially in the area of advanced studies.

To continue to deprive the largest single employment base from this resource does not seem to be in Montana's best interests. Those hurt most are the already employed college graduates needing and desiring advanced degrees. Since these people are already in our employment base it follows that the likelihood of them remaining in Montana is great. This would seem to counter the argument that we sometimes hear in regard to educating our young people for export to other states.

As a local business manager and Billings Chamber of Commerce member, I thank you in advance for your consideration and support.

Sincerely,

Dan L. Walker
Area District Manager



Robert B. Blomeyer
Manager
Refining Department
Billings Refinery

Conoco Inc.
P.O. Box 2548
Billings, MT 59103
(406) 252-3841

EXHIBIT 25
2-20-85

February 14, 1985

President Bruce H. Carpenter
Eastern Montana College
1500 North 30th Street
Billings, MT 59101-0298

Dear President Carpenter:

Conoco, through its various support and grant programs, has been a long term friend of higher education. I want to take this opportunity to express my support to the development of a MBA Program at Eastern.

Conoco brings many professional employees to Billings for extended training periods. Many of these young men and women are enrolled in MBA Programs prior to their transfer. The absence of a MBA degree in Billings brings their educational advancement to a halt.

It is my hope that our legislators will find both the wisdom and the money to fund this degree at your fine school.

Very truly yours,

A handwritten signature in cursive script that reads "Robert B. Blomeyer".

Robert B. Blomeyer

bjc

MONTANA TECH

EXHIBIT 26
2-20-85EDUCATION SUBCOMMITTEE HEARING AGENDA
February 20, 1985, 8:00 a.m.

<u>INTRODUCTION & OVERVIEW:</u>	De Money	10 Minutes
Academic Accomplishments		
Placement		
Issues:		
Flexibility of Revenue		
Organized Research Base		
Enrollment Trends		
<u>PHASE IN REQUEST:</u>	Turley	10 Minutes
Instructional Faculty &		
Instructional Support		
<u>MODIFIED REQUESTS:</u>		
<u>New Space</u>	Burt	5 Minutes
<u>Computer Hardware</u>	Michelotti Hergett, Simmons & Paustian	10 Minutes
<u>Expanded Research</u>	Hays	10 Minutes
<u>Equipment</u>	Hays	5 Minutes
<u>QUESTIONS</u>		<u>10 Minutes</u>
TOTAL		60 Minutes

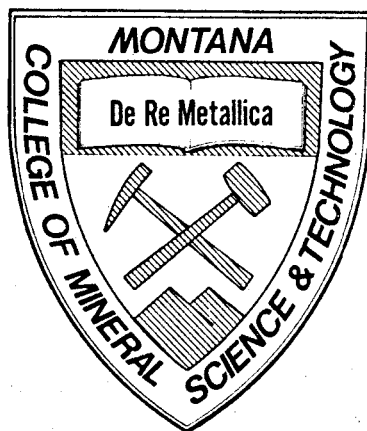
FWD:jm
2/19/85

Exhibit 27

2-20-85

**Serving Montana
and the
energy/mineral industry
for 84 productive years**

MONTANA TECH IN 1984



**a report to
the Education Subcommittee
Rep. Gene Donaldson, Chairman**

February, 1985

ENGINEERING SCHOOLS

D04. Engineering Schools (NCES Institutional Classification Code Adopted by NCES in 1981)

Institutions in which the number of degrees awarded in the area of engineering (0900 field in the HEGIS Taxonomy) exceed 60 percent of all degrees awarded; or in which the number of engineering degrees awarded exceed 50 percent of all degrees awarded and the number of baccalaureate programs offered is fewer than 5.

I. Doctorate-Granting Institutions

Clarkson College of Technology
Colorado School of Mines
Georgia Institute of Technology
Institute of Textile Technology
New Jersey Institute of Technology
Polytechnic Institute of New York
South Dakota School of Mines and Technology
Stevens Institute of Technology
University of Missouri - Rolla
Worcester Polytechnic Institute

II. Masters-Granting Institutions

Harvey Mudd College
Midwest College of Engineering
Montana College of Mineral Science and Technology
Northrop University
Rose-Hulman Institute of Technology

CLASSIFICATION OF UNITS OF MONTANA UNIVERSITY SYSTEM

University of Montana	A01	"Doctorate Granting Institutions Without a Medical School"
Montana State University	B01	"Comprehensive Institutions" - Doctorate Granting
Montana College of Mineral Science and Technology	D04	"Professional and Specialized Institutions"
EMC, NMC and WMC -- Not Listed		

CLASSIFICATION OF TECH'S PEERS

Colorado School of Mines	D04	"Doctorate Granting Institution"
New Mexico Institute of Mining and Technology	B01	"Comprehensive Institutions" - Doctorate Granting
South Dakota School of Mines and Technology	D04	"Doctorate Granting Institution"

Source: NSF, Academic Science/Engineering: Graduate Enrollment and Support, Fall 1982

President's Office 9/11/84, Revised 12/17/84

FWD:km

TOTAL FYFTE ENROLLMENTS
Montana University System

	<u>U/M</u>	<u>MSU</u>	<u>TECH*</u>	<u>% CHANGE</u>	<u>WMC</u>	<u>EMC</u>	<u>NMC</u>	<u>TOTAL</u>
65-66	5,927	6,108	580		1,002	2,467	1,190	17,274
66-67	5,816	6,495	598		1,022	2,844	1,336	18,111
67-68	6,578	7,061	568		1,056	3,199	1,417	19,879
68-69	7,290	7,526	707		1,147	3,534	1,435	21,639
69-70	7,984	8,050	848		1,253	3,839	1,530	23,504
70-71	8,810	8,479	951		1,224	3,937	1,552	24,953
71-72	9,009	8,373	846		1,086	3,417	1,388	24,119
72-73	8,737	8,165	737		931	2,903	1,189	22,662
73-74	8,362	8,174	683		721	2,815	1,067	21,822
74-75	8,575	8,585	714	4.5	742	3,048	1,065	22,708
75-76	8,496	8,965	894	25.2	735	3,306	1,225	23,621
76-77	8,057	9,320	991	10.8	597	3,124	1,240	23,329
77-78	7,979	9,613	1,058	6.7	582	3,105	1,312	23,649
78-79	7,868	9,555	1,139	7.6	643	2,910	1,149	23,264
79-80	8,010	9,811	1,247	9.5	699	2,964	1,235	23,966
80-81	8,283	10,338	1,531	22.8	825	3,177	1,382	25,536
81-82	8,226	10,675	1,791	17.0	820*	3,329	1,542	26,383
82-83	8,458	10,691	2,048	14.3	859*	3,494	1,663	27,213
	-.3%	+9%	+2%		+3%	+1%	+5.5%	+1%
83-84	8,431	10,789	2,090	2.0	882*	3,538	1,745	27,475
84-85	8,174	10,397	1,882	-11.0	879*	3,515	1,710	26,557 (-9 -3

*Semester calendar

FWD:jm
2/19/85

Source: Paul C. Dunham's Report, Revised 6/15/84

Presented by Roy H. Turley -- February 20, 1985

Montana Tech's appropriated budget for 1984-85 was \$10,207,163. The funding formula would project a budget of approximately \$9,100,000 at an FYFTE enrollment of 1879 at 100% funding.

It is my intention to outline the implications for Montana Tech of this level of funding.

1. Implications of Funding for 1985-86 Based upon 1879 FYFTE

A reduction of approximately \$1,100,000 or 10.8% from the appropriated 1984-85 budget will have a major impact on our instructional quality. We will limit our discussion to the effects of the reduction on the instructional portion of the budget, even though major effects will be felt throughout the college.

We have already cut a net of 2.54 FTE faculty positions because of our decline in enrollment this academic year. An analysis of all remaining components in the instructional budget for salaries would require \$4,205,793 for 1985-86. This is \$317,000 over and above what would be available for salaries in the proposed budget. This shortfall would require the immediate release of 9-12 faculty members.

Cuts of this magnitude in the instructional budget cannot be made in one year without causing irreparable damage to our educational program. Similar reductions would have to be made in other areas of the college budget. We have focused our attention on the instructional program because we feel it is our most critical program budgeting area.

2. Phase Down Request

A three-year rolling average is often used by funding agencies to provide time for an institution to adjust to declining enrollments. Such an approach to declining enrollments provides time for an orderly cutback in faculty following program reviews of curricula within the college. The rolling average approach keeps public confidence in the institution from falling rapidly. A 10% reduction in faculty in a period of a year is possible, but would cause problems of faculty and student morale. The same reduction over a period of three years would permit the institution to take advantage of retirements, resignations, early retirements, and thus would require fewer direct terminations.

Averaging the actual FYFTE enrollments for 1982-83, 1983-84 and 1984-85 (2048, 2090, 1879) gives a figure of 2006 FYFTE for 1985-86. A figure of 1949 FYFTE is obtained for 1986-87 by averaging the actual FYFTE enrollments for 1983-84 and 1984-85, and using the 1984-85 enrollment for 1985-86 (2090, 1879, 1879). The formula at 100% funding would then generate \$9,272,297 for 1985-86 (excluding scholarships and fellowships) and \$9,009,171 for 1986-87 (excluding scholarships and fellowships). These budgets would require a reduction of faculty FTE by 1986-87 to 102.

The concept of the three-year rolling average was used in the 1983 biennium by the Legislative Fiscal Analyst for the Montana University System when all other units experienced declining enrollments. We request that Montana Tech be funded on this basis for each year of the coming biennium.

The additional cost of this method of funding would be approximately \$486,000 for the first year of the biennium and \$223,000 for the second year of the biennium. The total cost of the phase down would be \$709,000.

I WOULD LIKE TO ADDRESS THE COMMITTEE VERY BRIEFLY ON OUR MODIFIED REQUEST FOR OPERATION AND MAINTENANCE DOLLARS FOR NEW SPACE AT MONTANA TECH.

AS MOST OF YOU ARE AWARE, DURING THE LAST SESSION MONTANA TECH RECEIVED AN APPROPRIATION FOR 5.5 MILLION (4.25 STATE AND 1.25 PRIVATE) FOR OUR CLASSROOM LAB BUILDING. THIS BUILDING IS CURRENTLY UNDER CONSTRUCTION AND IS SCHEDULED FOR COMPLETION PRIOR TO THE 1986 - 87 SCHOOL YEAR WHICH WOULD BE DURING THE SECOND YEAR OF THE NEXT BIENNIUM.

THIS BUILDING WILL ADD APPROXIMATELY 55,000 SQUARE FEET OF NEW SPACE TO OUR CAMPUS, AND WILL REQUIRE APPROXIMATELY 2 CUSTODIANS AND 1 MAINTENANCE MAN PLUS NORMAL MAINTENANCE, UTILITIES, AND MOVING EXPENSES. THE COST ESTIMATE THAT WE HAVE FOR THIS IS \$180,000 FOR THE SECOND YEAR AND IS BASED ON \$3.00 PER SQUARE FOOT MAINTENANCE COST, THE GOVERNOR'S BUDGET RECOMMENDS 177,814 AND THE L.F.A. ANALYSIS CONCURRED WITH OUR FIGURE AND STATED THAT IT WAS IN LINE WITH RENTAL CHARGES TO STATE AGENCIES IN THE CAPITAL COMPLEX.

THIS FACILITY IS A MUCH NEEDED ADDITION TO OUR CAMPUS AND NEW SPACE ADJUSTMENTS HAVE BEEN CONSISTENTLY RECOGNIZED AND FUNDED IN YOUR BUDGET PROCESS.

COMPUTER NETWORK

- : Terminal for Central Computer
- ▲: Microcomputer

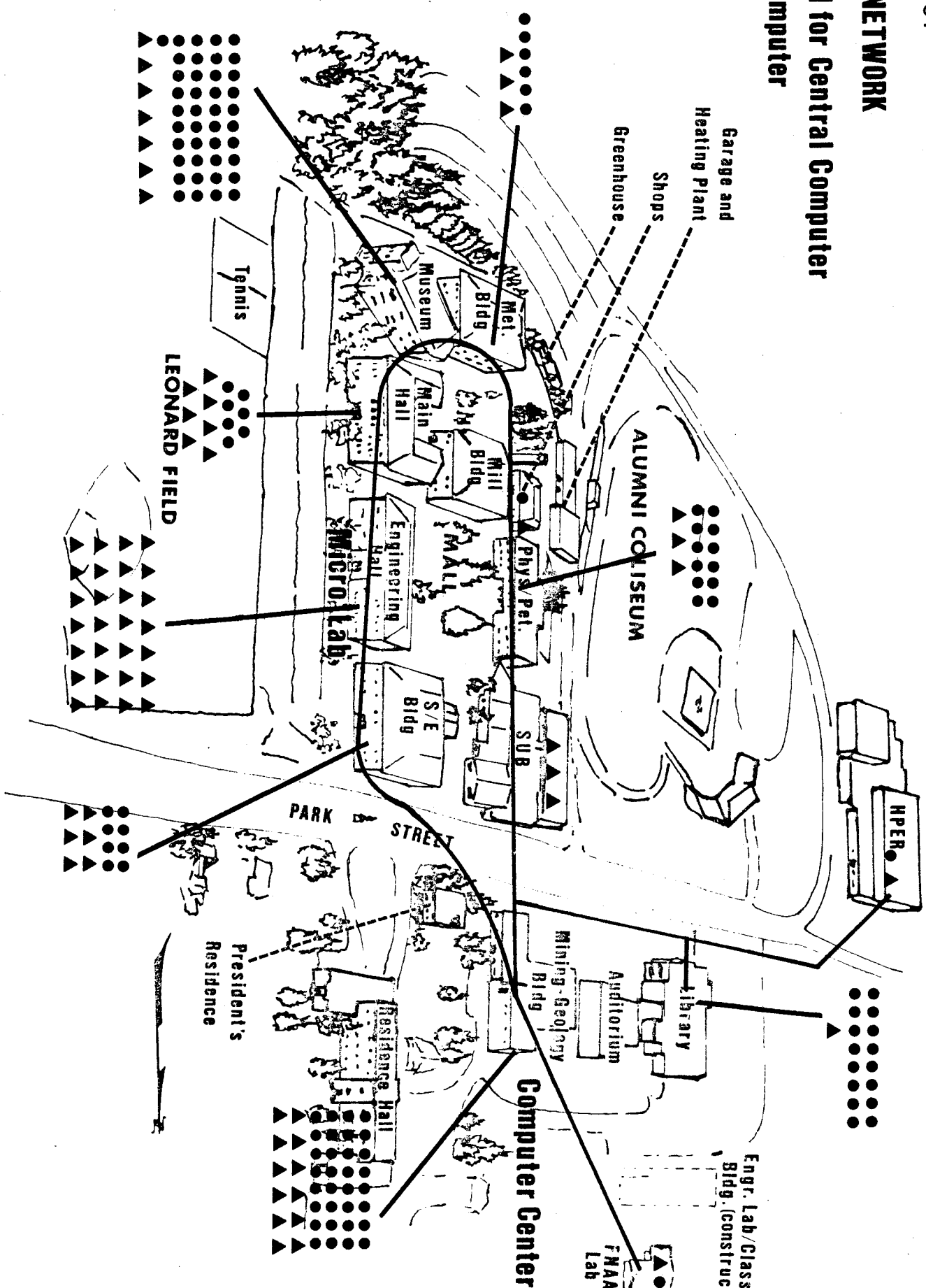
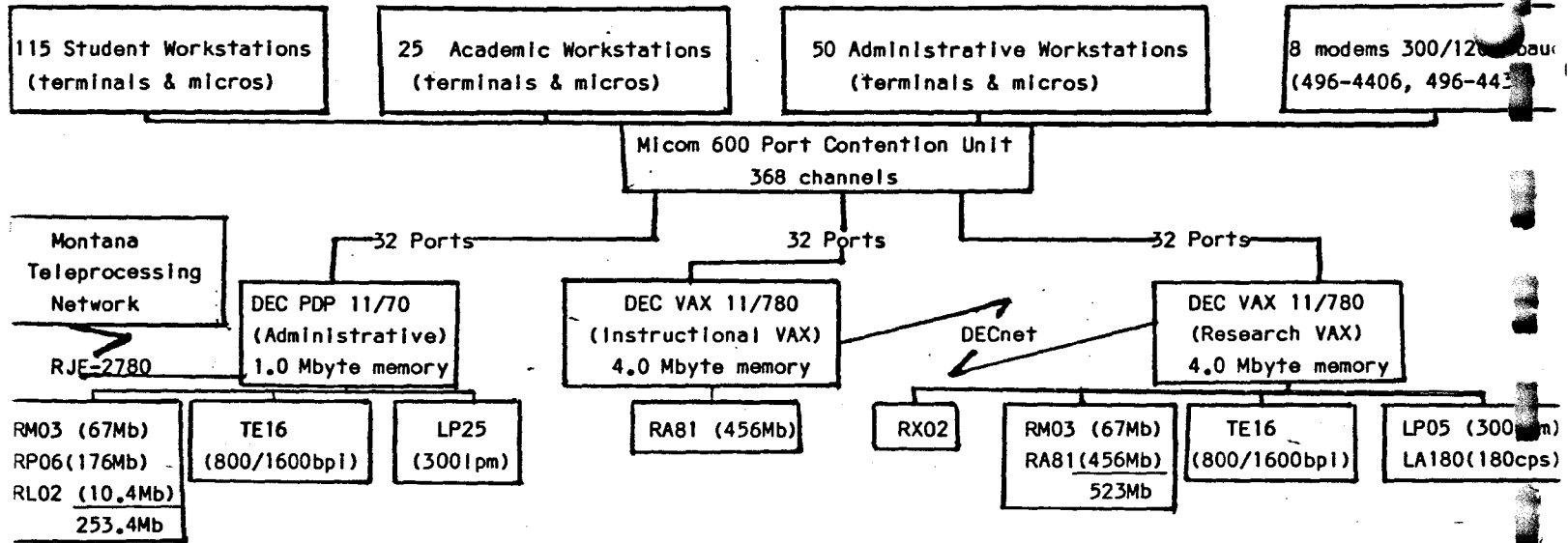


EXHIBIT 30
2-20-85

190 Workstations, all linked to the Central Computer. 117 terminals; 73 microcomputers.

MONTANA TECH'S LOCAL AREA (COMPUTER) NETWORK
January, 1985

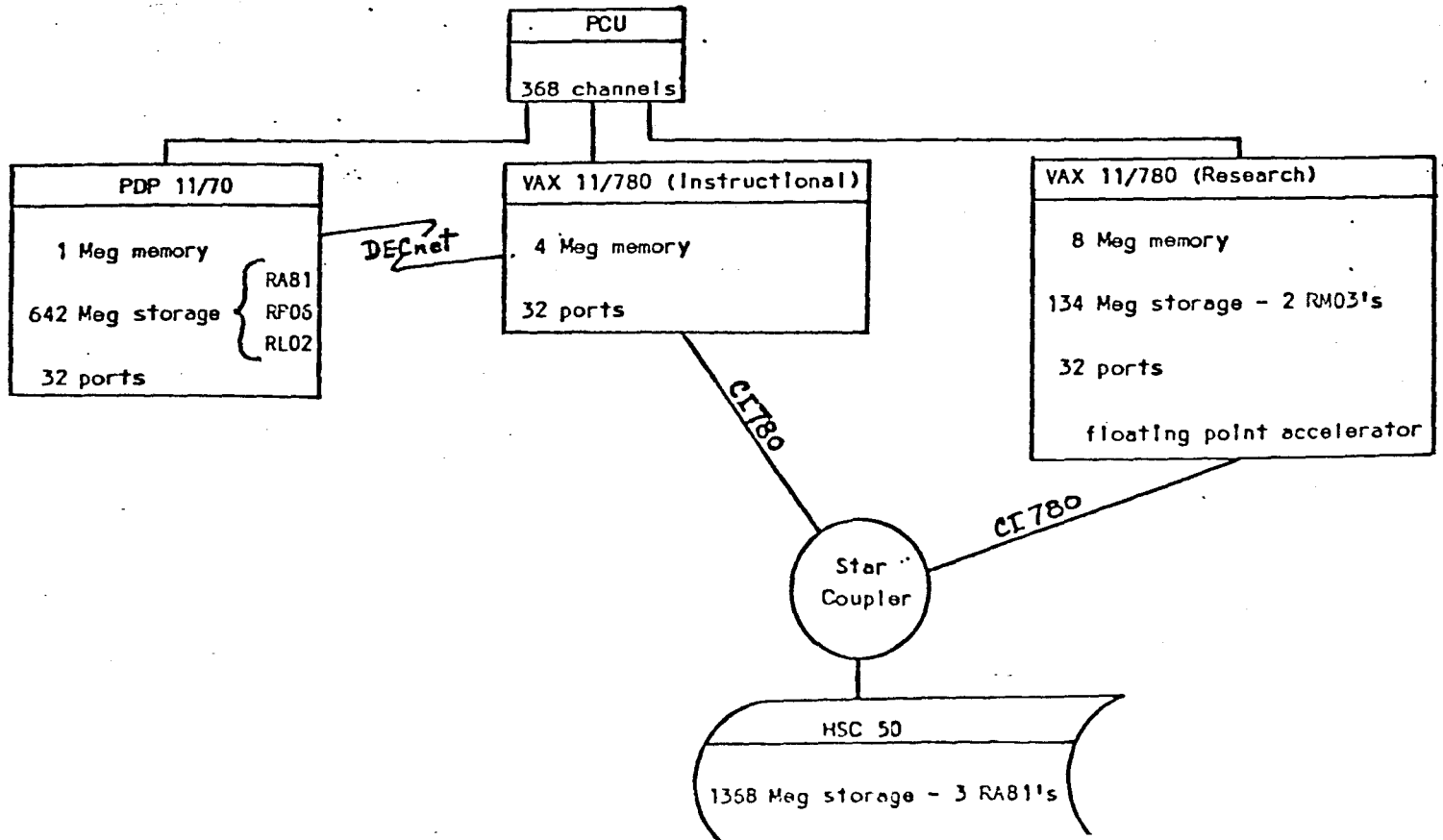


Users	
Administrative	67
Faculty	60
MBMG	13
MT Career Info. Service	3
Systems	32
	<u>175</u>

Users	
Faculty & Staff	22
Systems	18
Computer Science	615
Engineering	173
	<u>828</u>

Users	
Faculty & Staff	88
Systems	19
Grad Students	24
Computer Science	88
Engineering	368
	<u>587</u>

Proposed



NORTHERN MONTANA COLLEGE

<u>Priority #1</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
Program: Institutional Support			
Description: New Phone System	\$125,000	-0-	\$125,000

EXPLANATION:

This request provides funding to replace the present mechanical switching system with new electronic switching equipment. The present system is a 770A PBX manufactured by Western Electric. This system has been in use at Northern for approximately nine years. Its functional life expectancy is 10 years, according to the State of Montana Communications Division; other telephone engineers concur. Further, all possible extensions are now in use and it is impossible to add new extensions without taking them away from present users. For a growing institution this is a severe problem.

A study was made two years ago and repeated last year as to the initial cost and potential cost savings over time of purchasing one of the new electronic switching systems. Both studies showed the change to be cost effective over time, but that the initial cost "up front" would be large. Within our present and projected operating budget it would be impossible for Northern to finance this new equipment.

The \$125,000 included in this request represents about one-half of the total estimated cost of a new electronic switching system. By using this \$125,000 as an initial payment, Northern could finance the balance at a figure approximating our present annual communications expenditure.

<u>Cost Summary</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
FTE Employees	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Salary			
Benefit:			
Total Personal Services			
Operations			
Capital	\$125,000	\$125,000	\$125,000
Total Cost	\$125,000	\$125,000	\$125,000

NORTHERN MONTANA COLLEGE

<u>Priority #2</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
Program: Operation of Plant			
Description: Additional Security Personnel	\$ 31,500	\$ 31,500	\$63,000

EXPLANATION:

Northern Montana College is requesting two additional FTE security personnel. Currently there are two full time security guards and one student employee. This staffing allows for twelve 8 hour shifts per week providing coverage from Midnight to 8:00 AM seven days a week and continuous coverage from 4:00 PM Friday through 8:00 AM on Monday. The two additional security personnel are necessary to provide coverage from 4:00 PM to Midnight, Monday through Thursday and to provide back-up coverage for security personnel on vacation or sick leave.

Back-up coverage is critical to allow scheduling to cover holidays without requiring payment of the triple time holiday rate. The college must provide the night coverage to assure immediate response to fire or other emergencies and to guarantee the continued operation of heating plants, especially those in dormitories.

<u>Cost Summary</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
FTE Employees	<u>2.00</u>	<u>2.00</u>	<u>2.00</u>
Salary	\$26,250	\$26,250	\$52,500
Benefits	<u>5,250</u>	<u>5,250</u>	<u>10,500</u>
Total Personal Services	\$31,500	\$31,500	\$31,500
Operations			
Capital			
Total Cost	<u>\$31,500</u>	<u>\$31,500</u>	<u>\$31,500</u>

NORTHERN MONTANA COLLEGE

Priority #3	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
Program: Operation of Plant			
Description: Refuse District Assessment	\$ 1,700	\$ 1,800	\$3,500

EXPLANATION

Beginning in Calendar Year 1983 Northern Montana College was required to pay an annual assessment for the county refuse district. The 1983 Assessment was \$1,638. The requested amount allows for a small inflationary increase in this assessment.

The refuse district was created in 1983 to provide a garbage disposal site for the Havre area. In the past, Northern was able to use the city landfill free of charge.

<u>Cost Summary</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
FNE Employees	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Salary			
Benefits			
Total Personal Services			
Operations	\$ 1,700	\$1,800	\$ 3,500
Capital	<u> </u>	<u> </u>	<u> </u>
Total Cost	<u>\$ 1,700</u>	<u>\$1,800</u>	<u>\$ 3,500</u>

NORTHERN MONTANA COLLEGE

<u>Priority #4</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
Program: Operation of Plant			
Description: Additional Grounds			
Person	\$ 16,000	\$16,000	\$32,000

EXPLANATION:

This budget modification seeks funding to hire an additional employee to work in the campus grounds department. This department is responsible for grounds maintenance, garbage removal, snow removal, street cleaning, movement and set up of equipment for campus activities, etc.

Three conditions have necessitated this request:

1. Northern does its own garbage collection and hauling. Prior to July 1, 1983, a city landfill was available with close proximity to the campus, now the new refuse district site is approximately 15 miles from campus. This additional hauling distance has added approximately 5 man hours per week to the hauling process. Additionally, the increased student enrollment and growth of the campus has increased the trash collection by another 5 man hours per week.
2. Increasing enrollment has brought about an increase in student and other campus related activities. These activities put additional strains on the Physical Plant to provide services.
3. The college is increasing the amount of campus grounds which are landscaped. Years ago the south side of the campus was adjacent to wheat fields; this now has become a residential area. Extensive grounds maintenance must occur in this area to provide even minimal levels of cleanliness.

<u>Cost Summary</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
FTE Employees	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
Salary	\$13,300	\$13,300	\$26,600
Benefits	<u>2,700</u>	<u>2,700</u>	<u>5,400</u>
Total Personal Services	\$16,000	\$16,000	\$32,000
Operations			
Capital			
Total Cost	<u>\$16,000</u>	<u>\$16,000</u>	<u>\$32,000</u>

NORTHERN MONTANA COLLEGE

<u>Priority #5</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
Program: Operation of Plant			
Description: Increase in			
Maintenance Funds	\$ 24,000	\$ 24,000	\$48,000

EXPLANATION:

This is a base adjustment to the building maintenance budget. This adjustment will allow the hiring of a heating & cooling specialist to repair and to maintain the efficient operation of boilers, air conditioners, and air handling units. The increasing complexity of mechanical units in campus buildings requires a trained technician to work on these units. At present the campus plumber, maintenance supervisor, or Physical Plant Director attempt to correct any problems that occur, but their training is not adequate.

<u>Cost Summary</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
FTE Employees	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
Salary	\$ 20,000	\$ 20,000	\$40,000
Benefits	<u>4,000</u>	<u>4,000</u>	<u>8,000</u>
Total Personal Services	\$ 24,000	\$ 24,000	\$48,000
Operations			
Capital			
Total Cost	<u>\$ 24,000</u>	<u>\$ 24,000</u>	<u>\$48,000</u>

NORTHERN MONTANA COLLEGE

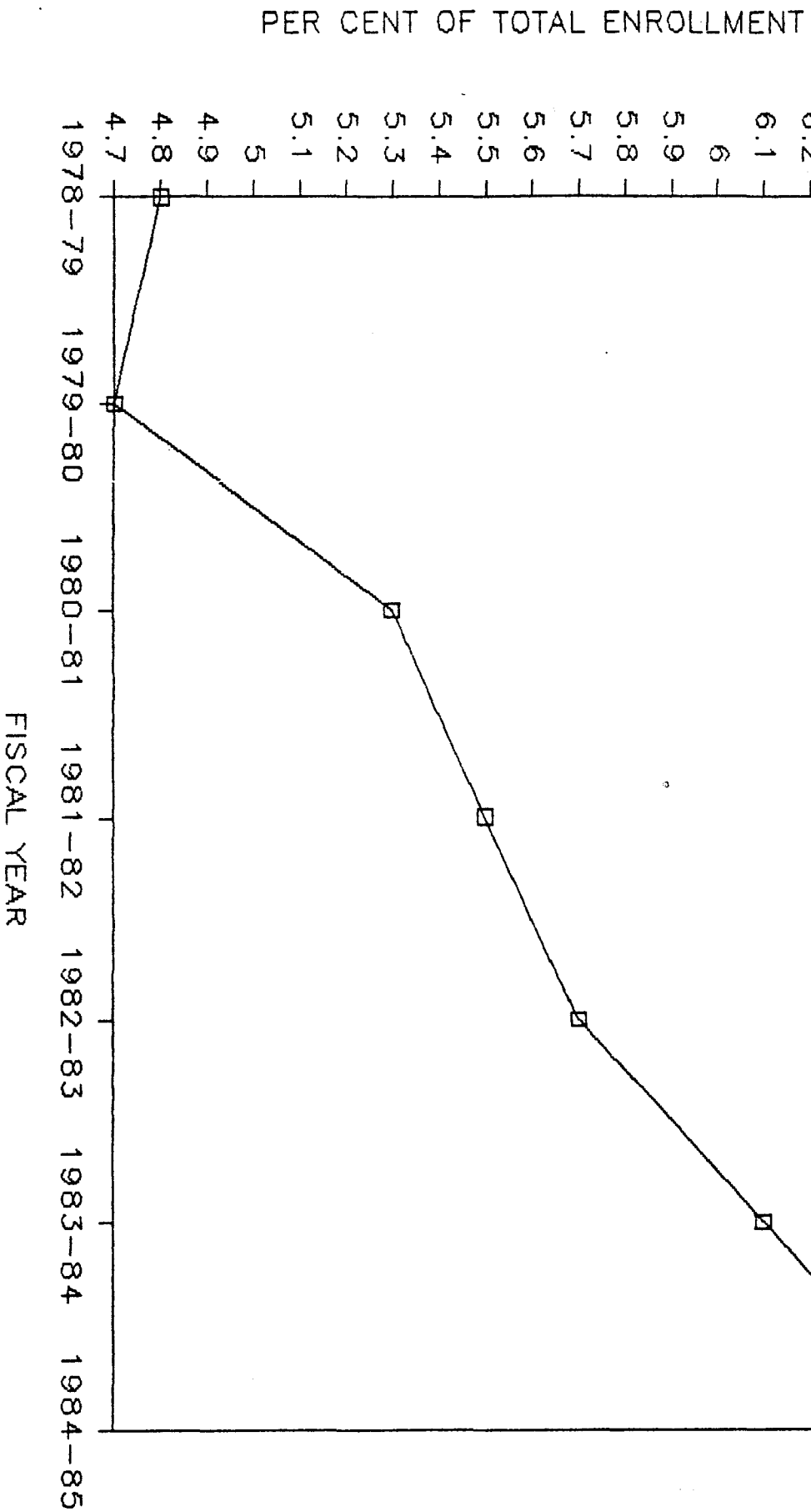
<u>Priority #6</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
Program: Operation of Plant			
Description: Maintenance Contracts for Elevators	\$ 6,100	\$ 6,250	\$12,350

EXPLANATION:

This request is to replace Physical Plant funds which were diverted from building maintenance to pay the contract for elevator maintenance. Less than four years ago Northern did not have a single elevator on campus. The push for handicapped accessibility led to the installation of four elevators and a fifth was added with the construction of the Library. At the time of request for the elevators, no consideration was given to the cost effect of maintenance contracts. A single elevator maintenance cost could perhaps have been absorbed into the present budget. However, the total impact of five elevators is significant and Northern is seeking relief for the Physical Plant budget.

<u>Cost Summary</u>	<u>FY 1985-86</u>	<u>FY 1986-87</u>	<u>Total</u>
FTE Employees	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Salary			
Benefits			
Total Personal Services			
Operations	\$ 6,100	\$ 6,250	\$12,350
Capital			
Total Cost	<u>\$ 6,100</u>	<u>\$ 6,250</u>	<u>\$12,350</u>

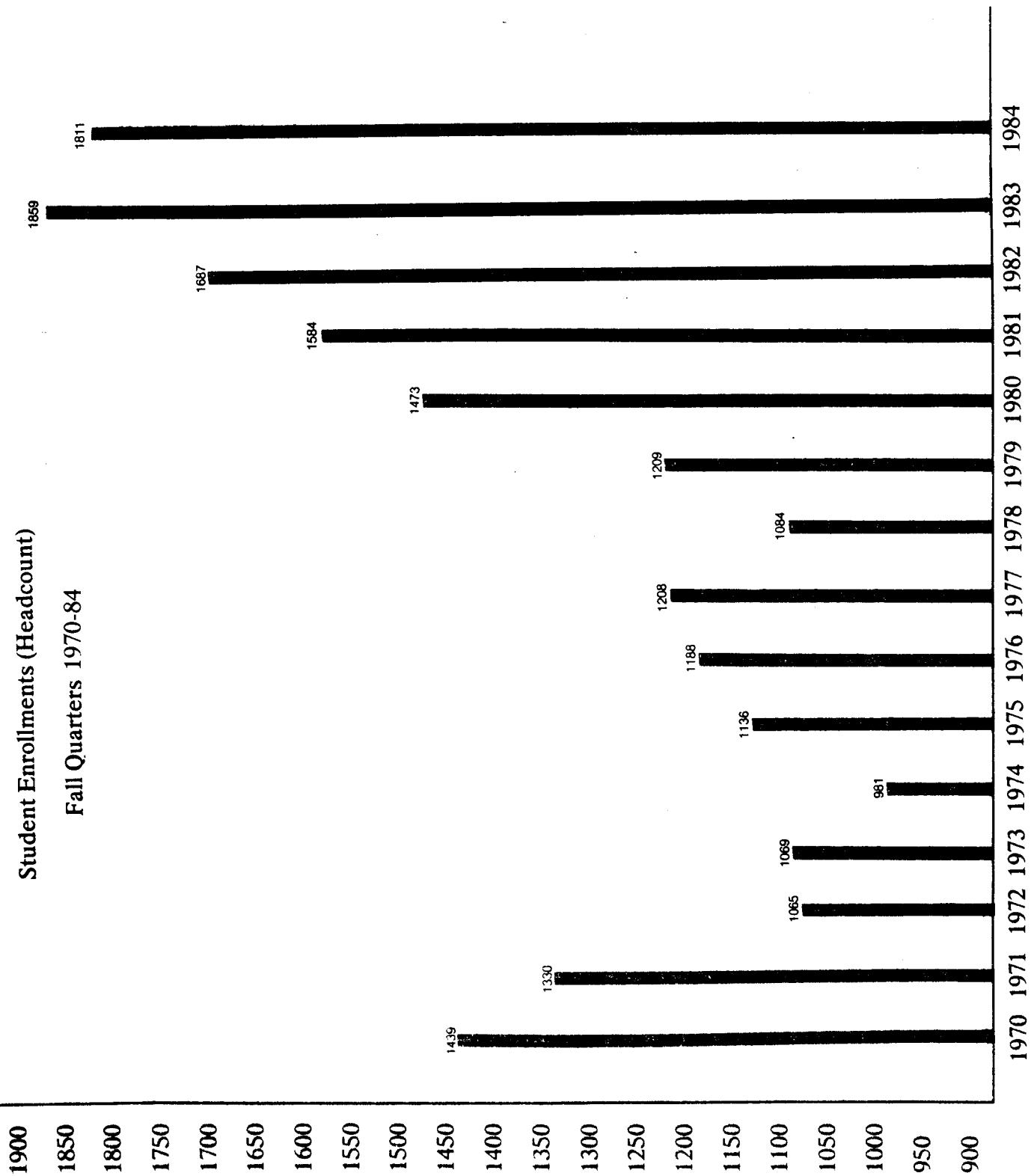
NORTHERN MONTANA COLLEGE ENROLLMENT AS A PER CENT OF SYSTEM ENROLLMENT



NORTHERN MONTANA COLLEGE

Student Enrollments (Headcount)

Fall Quarters 1970-84



Micro Computer
Laboratory

Word Processing
Laboratory

Automotive Diagnostic
Laboratory

Areas of Special Excellence

Areas of Special Excellence

Microcomputer Laboratory

Northern's new microcomputer laboratory responds directly to an emerging national and regional trend in computer use — the rapid emergence of the small, self-contained but increasingly sophisticated microcomputer as the mainstay of business applications. While continuing to teach the basics of computer programming, we have increased our emphasis on training people to become proficient on the types of machines that are now coming into use in Montana's schools, homes, offices, and small businesses and on Montana's farms and ranches.

There are presently 30 Apple II microcomputers in our new microcomputer laboratory. These microcomputers are able to "talk" with each other through the Corvus network, thus allowing students and instructors to share data and communicate visually through the instructor's monitor. Our growing library of software is rapidly making the laboratory a valuable teaching resource not only for computer technology courses, but for courses in nearly every major.

Word Processing Laboratory

The word processor is believed by many to be destined to replace the typewriter in most applications. Consequently, Northern Montana College has developed a new DEC-mate word processing laboratory as a teaching/learning tool for students and faculty. These 17 new machines are compatible with the college's new main-frame computer and are "user-friendly," actually teaching the operator how to use word processing programs.

Students in English and in Business are at the forefront in learning to use the word processor. Freshmen students at Northern are being taught to write their compositions using the word processor and they're taking to it enthusiastically. Secretarial technology and business education students are pleased, of course, to be at the forefront of knowledge in their fields.

Automotive Diagnostic Laboratory

Our new \$50,000 chassis dynamometer, one of only three in Montana, gives students an opportunity to simulate actual operating conditions realistically and to test a variety of vehicles "under load." Since it arrived on campus in the spring of 1984, the dynamometer has logged over 250 hours of running time. It has tested everything from tractors to family cars. The dynamometer is used in both lower and upper division automotive courses, providing students at both levels with ample opportunity for hands-on experience.

In addition to the new chassis dynamometer and the more traditional testing equipment, the Automotive Diagnostic Laboratory houses computers which can analyze and diagnose diesel and gasoline engine difficulties. As a case in point, our students have the opportunity to work with the only "four gas analyzer" in the state of Montana.

WHAT NORTHERN DID WITH THE 1983-85 LEGISLATIVE APPROPRIATION

Two factors (higher enrollments and a favorable student-faculty ratio) made it possible for Northern to make important purchases of badly-needed technical and other equipment during this last biennium. Approximately \$500,000 was spent on capital equipment and library acquisitions — enough to make a really significant impact on our instructional program. Library book purchases were doubled to about \$100,000; in addition to funding the "areas of special excellence" as described elsewhere, we were able to buy items such as two state-of-the-art electronic surveying transits at a cost of \$16,000. All of this new equipment is vital to Northern's mission; outdated technical education is frequently worse than no education.

Northern's new main-frame computer has been ordered and is due to be delivered in mid-January. The cost of the computer is in excess of \$405,000, of which \$375,000 is funded from an approved budget modification.

It ought to be noted that for fiscal 1985 Northern Montana College is the only unit of the University System with an enrollment estimate greater than the level appropriated. The FY 85 appropriation for Northern was based on 1,641 FTE students, while it is now estimated there will be 1,725 FTE students. This results in an underfunding of 84 FTE students, or 5% of the total FTE.

WHAT NORTHERN WOULD LIKE TO DO . . . REQUESTS FOR THE 1985-87 BIENNium

Northern strongly supports the system proposal for increased funding for faculty salaries. It is essential that we not lose ground in our effort to attract and retain quality faculty.

We strongly support the system request for fully funding the formula. We think the formula represents the fairest, most equitable system of funding available — but percentage underfunding destroys its logic.

Northern strongly supports the system request for operating and capital funds, and for the Long Range Building Program, Northern's portion of which is detailed below: (Regents Priority indicated)

(20) MULT-USE TECHNOLOGY BUILDING	\$6,389,000	1. this system, which is mechanical in nature, is worn out. A new electronic system would have the additional benefit of better compatibility with the state system.	\$63,000
(4) VENTILATION EXHAUST SYSTEM	\$23,000	2. ADDITIONAL SECURITY PERSONNEL	
AUTOMOTIVE DIAGNOSTIC LABORATORY	\$23,000	An additional two FTE employees are badly needed to provide security coverage of campus buildings on a 24-hour basis on weekends and on a 16-hour basis during the work week. Losses and breakins make this request imperative.	
(11) PARTITIONS, BROCKMANN CENTER	\$27,000	3. REFUSE DISTRICT ASSESSMENT	\$3,500
Instruction in four different classes takes place in this large, unpartitioned room simultaneously. The quality of instruction is adversely affected.		This is a new assessment for disposal of trash; previously this was provided by the governmental unit without charge.	
(15) GYMNASIUM ENTRY	\$100,000	4. ADDITIONAL GROUNDS PERSON	\$32,000
The principal entry and exit from this instructional building involves both stairs and a right-angle turn, which causes serious congestion. This may well be a safety as well as a handicapped access problem.		An additional one FTE employee is needed to provide grounds maintenance. Additional buildings, lawns and playing fields have reflected our substantial growth in numbers of students, and require more help to keep our campus property well maintained.	
PROGRAM MODIFICATIONS (N.M.C. Priority Indicated)		5. INCREASE IN MAINTENANCE FUNDS	\$48,000
1. NEW PHONE SYSTEM	\$125,000	An additional one FTE employee is needed to provide heating and air conditioning service for the campus. New and remodeled buildings call for specialized attention beyond the available time and the capabilities of present staff.	
The present phone system is at its maximum use level; when a new phone is added, one must be removed elsewhere in the system. Further, this system, which is mechanical in nature, is worn out. A new electronic system would have the additional benefit of better compatibility with the state system.		6. MAINTENANCE CONTRACT FOR ELEVATORS	\$12,350
		An annual contract is needed to provide repair and inspection services for Northern Montana College's five elevators.	

Dear Legislator:

The three "areas of special excellence" which are highlighted in this brochure are just a few examples of what Northern Montana College is doing to better serve Montana, and to assist in its economic development. As you know, Northern Montana College is Montana's "technical college." We are well on the way to becoming the best school of our type in the Northwest, and we are deeply grateful to the Legislature for its continuing support.

Northern is responsible for educating its students in those technologies which are appropriate to our state's needs. We produce diesel, computer, construction, and electronics technologists and farm mechanics and water quality specialists, just to name a few. Our programs are collegiate in nature, and each has a strong general education component.

Our objective is to help our students to become educated persons and to qualify them technically for the world of work — and to do both at the same time. One measure of our success in meeting this objective is our annual placement rate. Our students get jobs; our overall placement rate for 1984 graduates is 96%. Detailed placement data is available to you on request.

The balance of this brochure (see overleaf) tells you generally what we have done with the last legislative appropriation — and what we'd like to do with the next. We think we have been good stewards of the state's money — and we'd be glad to talk with you about our plans at your convenience. I'll be in Helena frequently during the session — please call me in Havre at 265-7821 and through the Commissioner's office in Helena at 444-6570.

Yours sincerely,



Jim Erickson, President

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NORTHERN MONTANA COLLEGE
Havre, Montana



PLACEMENT DATA
for
Class of 1984

Compiled by:
Office of Student Placement and
Career Development
Director: Cheryl Dugdale
Assist. Director: Toby Helmbrecht
(406)265-7821

ACADEMIC PROGRAM

ONE YEAR CERTIFICATES

Automotive Technology
Diesel Technology
Metals Technology

ASSOCIATE OF ARTS

Associate of Arts

ASSOCIATE OF ENGINEERING

Construction

ASSOCIATE OF SCIENCE

Agriculture Technology
Automotive Technology
Business Administration
Computer Technology
Construction Technology
Diesel Technology
Drafting Technology
Electrical Technology
Electronics Technology
Environmental Health
Metals Technology
Secretarial Technology
Nursing

BACHELOR OF ARTS

Interdisciplinary Studies

BACHELOR OF SCIENCE

Interdisciplinary Studies

BACHELOR OF SCIENCE

Elementary Education
Secondary Education
Business Broadfield
English
Industrial Arts
Industrial Arts Broadfield
Physical Ed. & Health Extended
Physical Education & Health
General Science Broadfield
Social Science Broadfield
Trades & Industry-Diesel
General Science Broadfield/
Physical Ed & Health Extended

BACHELOR OF TECHNOLOGY

Automotive
Business
Construction
Diesel
Drafting
Electronics
Mechanical
Diesel & Farm Mechanics

MASTER OF EDUCATION*

Career Guidance & Counseling
Elementary Education
Industrial Arts Education
Vocational Education

TOTAL

ACADEMIC PROGRAM	(1) PLACED (TOTAL 23-45)	(2) EMPLOYED IN FIELD	(3) EMPLOYED OUTSIDE FIELD	(4) MILITARY/ INACTIVE	(5) CONTINUING EDUCATION	(6) NOT EMPLOYED	(7) NUMBER OF REGISTRANTS
ONE YEAR CERTIFICATES							
Automotive Technology	92% (11)	25% (3)	42% (5)	8% (1)	17% (2)	8% (1)	12
Diesel Technology	100% (3)	33% (1)	33% (1)		33% (1)		3
Metals Technology	100% (1)		100% (1)				1
ASSOCIATE OF ARTS							
Associate of Arts	100% (1)				100% (1)		1
ASSOCIATE OF ENGINEERING							
Construction	100% (1)		100% (1)				1
ASSOCIATE OF SCIENCE							
Agriculture Technology	100% (7)	71% (5)	29% (2)				7
Automotive Technology	100% (8)	38% (3)	12% (1)	25% (2)	25% (2)		8
Business Administration	100% (38)	40% (15)	13% (5)	8% (3)	39% (15)		38
Computer Technology	100% (5)	20% (1)	40% (2)		40% (2)		5
Construction Technology	100% (7)	58% (4)	14% (1)	14% (1)	14% (1)		7
Diesel Technology	100% (11)	46% (5)	36% (4)		18% (2)		11
Drafting Technology	100% (10)	50% (5)			50% (5)		10
Electrical Technology	100% (5)		20% (1)		80% (4)		5
Electronics Technology	88% (7)	50% (4)	13% (1)		25% (2)	12% (1)	8
Environmental Health	100% (4)	75% (3)	25% (1)				4
Metals Technology	100% (4)	25% (1)	50% (2)		25% (1)		4
Secretarial Technology	82% (16)	46% (8)	18% (3)	6% (1)	24% (4)	6% (1)	17
Nursing	98% (63)	95% (60)	1.5% (1)	2% (2)		1.5% (1)	64
BACHELOR OF ARTS							
Interdisciplinary Studies	100% (2)	50% (1)		50% (1)			2
BACHELOR OF SCIENCE							
Interdisciplinary Studies	66% (2)		33% (1)	33% (1)		33% (1)	3
BACHELOR OF SCIENCE							
Elementary Education	100% (27)	74% (20)	14% (4)	7% (2)	4% (1)		27
Secondary Education	91% (20)	55% (12)	9% (2)	9% (2)	18% (4)	9% (2)	22
Business Broadfield		1					1
English		2					2
Industrial Arts				1			1
Industrial Arts Broadfield		1			1		2
Physical Ed. & Health Extended		3	1		2		6
Physical Education & Health		2				1	3
General Science Broadfield		2					2
Social Science Broadfield			1		1	1	3
Trades & Industry-Diesel				1			1
General Science Broadfield/ Physical Ed & Health Extended		1					1
BACHELOR OF TECHNOLOGY							
Automotive	80% (4)	40% (2)	20% (1)		20% (1)	20% (1)	5
Business	100% (18)	61% (11)	33% (6)		6% (1)		18
Construction	100% (6)	67% (4)	33% (2)				6
Diesel	92% (11)	75% (9)	16% (2)			8% (1)	12
Drafting	86% (6)	72% (5)			14% (1)	14% (1)	7
Electronics	67% (6)	44% (4)	11% (1)		11% (1)	33% (3)	9
Mechanical	86% (6)	86% (6)				14% (1)	7
Diesel & Farm Mechanics	100% (1)	100% (1)					1
MASTER OF EDUCATION*							
Career Guidance & Counseling	100% (22)	23% (5)	9% (2)	68% (15)			22
Elementary Education	100% (11)	91% (10)	9% (1)				11
Industrial Arts Education	100% (1)	100% (1)					1
Vocational Education	100% (8)	100% (8)					8
TOTAL	96% (353)	59% (217)	15% (54)	8% (31)	14% (51)	4% (14)	95% (367)

*Many of these graduates are employed by the same school/company which employed them prior to beginning a masters program.

1984 SALARY INFORMATION

	Monthly Range
One-year Certificates	\$ 450-600

ASSOCIATE DEGREES

Agriculture Technology	\$ 730-1500
Automotive Technology	792-1000
Business Administration	600-1050
Computer Technology	600-1000
Construction Technology	1200- *
Diesel Technology	700-1700
Drafting Technology	909-1130
Electronics Technology	800-1000
Environmental Health	1000-1620
Metals Technology	600-1000
Nursing	880-1500
Secretarial Technology	675-1000

BACHELOR OF SCIENCE

Elementary Education	800-1300
Secondary Education	1100-1500

BACHELOR OF TECHNOLOGY

Automotive	640-1000
Business	760-1375
Construction	1000-1600
Diesel	680-2000
Drafting	1130- *
Electronics	1700- *
Mechanical	1000-2300

MASTERS

Career Guidance/Counseling	1200-2000
Elementary Education	2000- *
Industrial Arts	*
Vocational Education	2300- *

The salaries listed are for 1984 graduates of Northern Montana College.

* Salary information not available.

ACADEMIC PROGRAMS

SCHOOL OF ARTS AND SCIENCES

	Certificate Program (1 yr.)	Transfer Program	Associate's Degree Program (2 yr.)	Minor	Bachelor's Degree Program (4 yr.)	Master's Degree Program
Canadian Studies					X	
Native American Studies					X	
Nursing (RN)			X			
Pre-Professional studies (transfer program)						
Agriculture		X				
Engineering		X				
Fish & Wildlife		X				
Forestry		X				
Medical Arts (medicine, dentistry, veterinary, optometry, physical therapy)		X				
Home Economics		X				
Medical Technology		X				
Interdisciplinary Studies					X	X
Water Quality Technology			X			

SCHOOL OF TECHNOLOGY AND PROFESSIONAL STUDIES

Agriculture Technology					X	
Options in Agri-Business, Agricultural Mechanics, Farm Management, Agri-Services						
Auto Body Technology			X		X	X
Automotive Technology	X		X		X	X
Business			X		X	X
Business Administration			X			
Computer Technology			X		X	
Construction Technology			X		X	X
Diesel Technology	X		X		X	X
Drafting Technology			X		X	X
Electrical Technology			X			
Electronics			X		X	X
Farm Mechanics					X	X
Information Processing Technology					X	
Mechanical Technology			X		X	X
Metals Technology	X		X			
Secretarial Technology			X			
Trade and Technical						X

TEACHER EDUCATION

Elementary Education					X	X
Secondary Education						
Art (K-12)					X	
Biology					X	
Business					X	X
Chemistry					X	
Drama					X	
English					X	X
French					X	
Government					X	
Health Education					X	
History					X	X
Industrial Arts					X	X
Mathematics					X	X
Music (K-12)					X	
Physical Education and Health (K-12)					X	X
Reading (K-12)					X	
Science						X
Social Science						X
Traffic Education					X	
Trades and Industry						
Automotive Option						X
Diesel Option						X
Drafting Option						X
Electronics Option						X
Trade Competency Option						X
Graduate Programs						
Career Guidance and Counseling					X	X
Elementary Education						X
Industrial Arts					X	X
Vocational Education						X
Fifth Year Program						