MINUTES OF THE MEETING
LONG-RANGE PLANNING SUBCOMMITTEE
MONTANA STATE
HOUSE OF REPRESENTATIVES

January 17, 1985

The meeting of the Long-Range Planning Subcommittee was called to order by Chairman Robert Thoft on January 17, 1985 at 8:07 a.m. in Room 420 of the State Capitol.

ROLL CALL: All members were present.

WESTERN MONTANA COLLEGE: Robert Thomas (10:B:001), President, Western Montana College (WMC) passed out the "Western Montana College Foundation Long-Range Building Program" (EXHIBIT 1) which summarizes WMC's maintenance and land acquisition projects. Dr. Thomas spoke directly from the booklet and used a slide presentation in describing each individual project.

Richard Mockler (10:B:149), representing the Montana College Coalition spoke as a proponent for WMC's projects. He said WMC has some very pressing and basic maintenance needs. He said he felt good maintenance of facilities was necessary for good education and education is the state's largest investment.

Dr. Thomas (10:B:168) gave a slide presentation on projects which were funded in the last biennium. He said he wanted to thank the committee for the support it has given WMC in the past and wanted it to see how buildings and programs have been improved with funds from the 1983 session.

Senator Tveit (10:B:211) asked why cost estimates were listed on page 273 of the Capital Construction Program Book (EXHIBIT 3, 1/10/85) at $491,000 and in WMC's handout as $243,000. Dr. Thomas said the first estimate was $491,000 and with the help of the Architecture and Engineering Division (A&E) this was scaled down to $243,000. A&E altered the proposal cost by eliminating the changes for an art gallery in Main Hall and the restrooms that were included in the first estimate.

MONTANA STATE UNIVERSITY: William Tietz (10:B:275), President, Montana State University (MSU) used the Capital Construction Program Book to summarize the maintenance projects need at MSU. He said he felt it was unfortunate that only maintenance projects at a crisis stage are brought before the Legislature. He said he felt other building repair projects with less importance are eliminated in the prioritizing process used by the Board of Regents and the Executive Branch. He suggested (10:B:336) the universities work with this committee in the future to develop a system which will prioritize long-range maintenance and equipment replacement.

Chairman Thoft (10:B:406) asked Dr. Tietz what MSU was doing in the form of a preventive maintenance plan. Dr. Tietz said MSU does have a master maintenance plan which is part of their long-range building program. Unfortunately many preventive maintenance projects get pushed to a secondary role when an emergency situation such as a leaky roof or decomposing bricks arise. Emergency maintenance problems are unpredictable and therefore cannot be provided for in even the best long-range maintenance plans. Dr. Tietz said MSU has internally performed extensive energy and asbestos surveys as part of their long-range plan.

Tom Nopper (10:B:462) said small maintenance projects such as painting schedules and motor replacements have been funded from a $400,000 operating budget. Unfortunately these funds only cover a minimal amount of maintenance on a campus with buildings worth millions of dollars.

Representative Ernst (10:B:509) asked the age of the buildings needing brick repair. Dr. Tietz said Johnson Hall was built in 1972 and Wilson Hall in 1974. Senator Van Valkenburg asked for the original cost of these buildings. Dr. Tietz said Johnson Hall was constructed for $6 or $6.5 million and Wilson Hall for $2 million. He said two thirds of the $1.9 million request for brick repair will be used on Johnson Hall and one third on Wilson. Senator Van Valkenburg asked if money wasn't appropriated last biennium with regard to this project. Dr. Tietz said $310,000 was appropriated and used to repair the parapets.

Senator Van Valkenburg said Phil Hauck of A&E had said in his presentation that there was no legal remedy to the brick repair situation and asked Dr. Tietz if he agreed with this opinion. Dr. Tietz said yes. Mr. Hauck said the matter is in D of A's legal department but since the brick manufacturer and the mason are both out of business it appears MSU cannot recover money from them. Mr. Hauck said for these reasons no lawsuit has been filed.

Senator Van Valkenburg (10:B:605) asked if the brick renovation project was the only solution to the problem. Craig Roloff, Acting Director, Administrative Services, MSU said the area around Johnson and Wilson Halls has been fenced off and temporary canopies placed over entrances to the buildings. He said this request is for replacing portions of the brick. They did consider replacing all of the brick but this request was more economically feasible.

Chairman Thoft (10:B:667) asked if the rest of the brick will need to be replaced at a later date. Mr. Hauck said

A&E did hire a brick consultant from Colorado to come in and evaluate the situation and they feel this project will be successful in correcting the problem. Mr. Hauck said about 25 percent of the brick on the buildings needs replacement.

Chairman Thoft (11:A:36) asked if these were the only buildings made with the faulty brick. Dr. Tietz said the brick had been used in other buildings but the problems with it were not to the magnitude of Johnson and Wilson Hall. Johnson and Wilson Hall are in areas where the decomposition of the brick creates a life threatening situation.

The remainder of Dr. Tietz (11:A:69) presentation pertained to the Engineering/Physical Sciences Complex (EXHIBIT 2).

David Gibson (11:A:190) Dean, College of Engineering, MSU spoke as a proponent of the Engineering/Physical Sciences Complex. He said the present facility has inadequate labs and equipment for teaching. The building will serve the program's needs well into the 21st Century. It will make a quality program even better by enhancing job opportunities for students and improving the economic foundation of the state.

Roger Foster, (11:A:306), Consulting Engineer, Morrison-Maierle, Inc., spoke in favor of the project. He said the private sector representing engineering in general is very excited about the prospects of this building expanding Montana's technical base. He said the building will be an asset in recruiting faculty and students to Montana, which in turn will aid in the economic development of Montana.

Lee Walker (11:A:374), Chairman of the Board, Northern Testing spoke as a proponent of the MSU building project. He said the building will provide a teaching and learning environment which is technologically up-to-date. It will provide for the development of teaching consortiums and retraining of professionals in technical areas.

Dr. Denbeigh Starkey (11:A:477), Head, Computer Sciences Department, MSU spoke in favor of the Engineering/Physical Sciences Complex. He said computer science is a rapidly growing and expanding technical program. Dr. Starkey said competition for qualified faculty members in this field is extremely high since there are 20 jobs available for every Ph.D. who wishes to teach in universities. The new facility will enhance efforts for faculty recruitment.

Dr. Howard Peavey (11:A:550), Professor of Civil Engineering, spoke in favor of the Engineering/Physical Sciences Complex. Dr. Peavey used Exhibit 2 and an architect's display to explain how the new facility was planned. The display illustrated existing facilities and the site of the new building.

Mr. Bill Characklis (11:A:643), Director, Institute of Process Analysis, MSU spoke as a proponent and said the new building with its multidisciplinary character will aid students in doing research for various programs.

Mike Stoeckig (11:B:46), Past President, Associate Students of MSU, appeared as a proponent of the project. He said MSU needs to keep a competitive edge in educating its students and in order to do this it needs a facility which can keep up with changes in technology.

Diane Hill (11:B:95), President, Associated Students of Montana State University (ASMSU) spoke as a proponent and submitted written testimony (EXHIBIT 3).

Michelle Wing (11:B:118), lobbyist, ASMSU spoke as a proponent and submitted written testimony (EXHIBIT 4).

Senator Peter Story (11:B:150), District 41, spoke in favor of the Engineering/Physical Sciences Complex. He said he had toured the present facility at MSU and found it and training equipment in it inadequate. He said he felt there was an urgent need for the new facility.

Representative John Vincent (11:B:200),District 80, Speaker, House of Representatives spoke as a proponent of the building. He said with the advent of high technology times are changing and the need for this building personifies these changes. He also submitted written testimony on behalf of the Post Agronomy Research Farm (EXHIBIT 5).

Representative Ernst (11:B:230) asked how much money is included in the proposal for equipment, Dr. Peavy said the project costs do include incidental equipment. Dr. Tietz said MSU does have a capital fund drive to raise money for equipment. He said the federal government has been asked for funds for the research component.

Senator Fuller (11:B:260) asked if there was any chance of getting private money for the project. Dr. Tietz said private industries are interested in donating money for equipment but not construction.

Senator Van Valkenburg (11:B:369) asked Mr. Walker and Mr. Foster if they thought businesses would be willing to support funding of such a project through an increase in corporate taxes. Both Mr. Foster and Mr. Walker saw no problems with this. They said they felt Montana businesses recognize the need for such a facility in training students who want to find jobs in Montana.

James Welsh (11:B:434), Dean, Agricultural Experiment Station, MSU, spoke about the $120,000 request for a new farm shop and fuel system (EXHIBIT 6).

Senator Tveit asked what the present facility would be replaced with. Dean Welsh said the new building will be a 30' by 60' standard shop. He said he did not have an architectural rendering for the committee.

There being no further business before the subcommittee the meeting was adjourned at 10:20 a.m.

Robert Thoft
ROBERT THOFT, Chairman

DAILY ROLL CALL

LONG RANGE PLANNING SUB COMMITTEE

49th LEGISLATIVE SESSION -- 1985

Date January 17, 1985

NAME	PRESENT	ABSENT	EXCUSED
Rep. Robert Thoft, Chairman	X		
Sen. Fred Van Valkenburg, Vice Chair	X		
Sen. Dave Fuller	X		
Sen. Larry Tveit	X		
Rep. Francis Bardanouve	X		
Rep. Gene Ernst	X		

Exhibit #1
1-17-85
WMC

WESTERN MONTANA COLLEGE FOUNDATION

LONG RANGE BUILDING
SUBCOMMITTEE

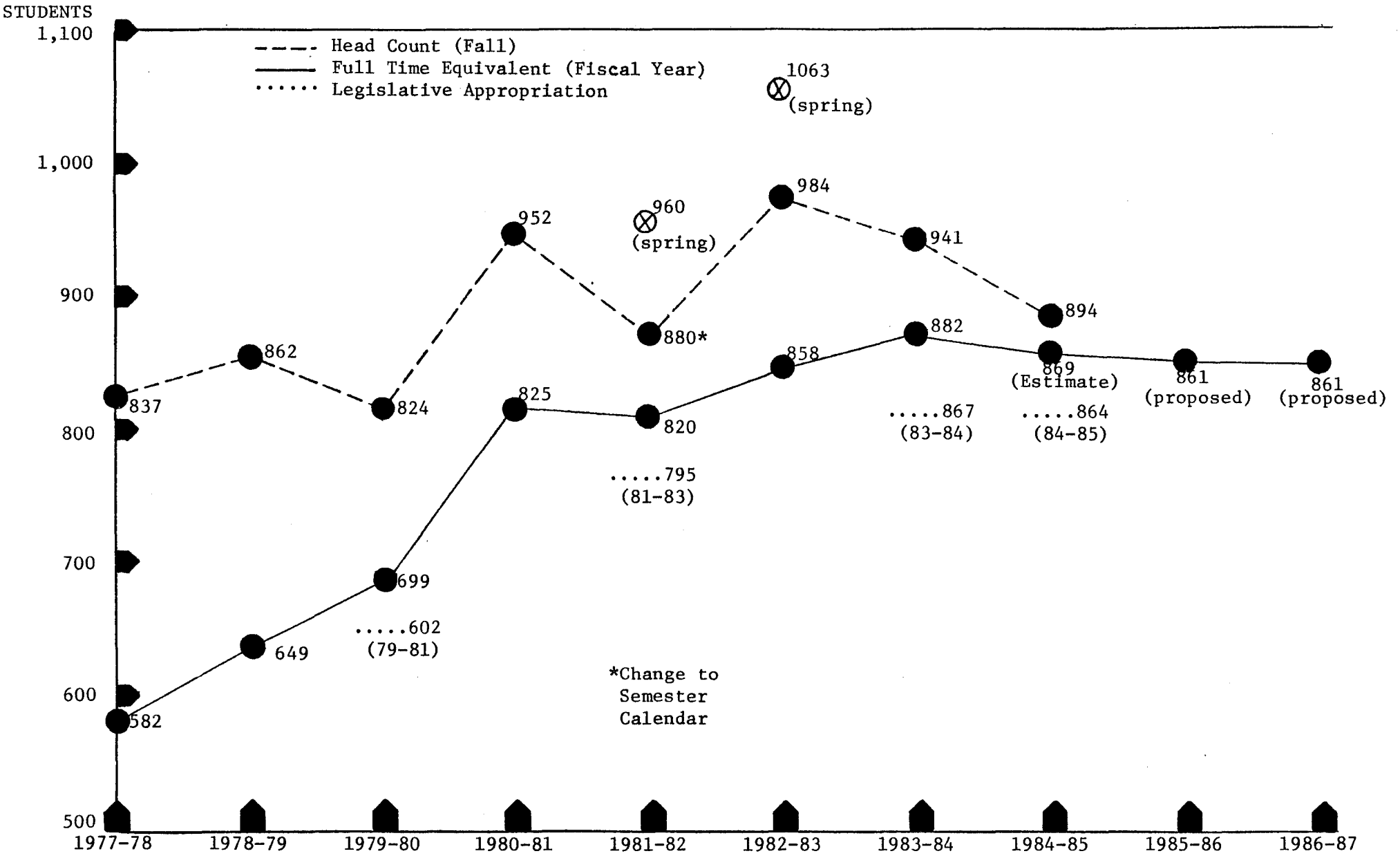
1985-87 BIENNIUM

Campus Box 125
Dillon, Montana 59725
(406) 683-7343

MARK A. YOUNG, Executive Director

— ESTABLISHED 1978 —

WMC ENROLLMENT 1977-87



WESTERN MONTANA COLLEGE

CAPITAL CONSTRUCTION PROJECTS

The following projects have been approved by the Board of Regents for Western Montana College:

LAND PURCHASE $100,000

Purchase of private residence and land which breaks the natural campus boundry.

PARAPET AND TOWER REPAIR $ 92,850

The brick parapets at the front of MAIN HALL are cracking and pulling away from the rest of the building. It is imperative that the integrity and structure of this beautiful, historic building be preserved.

FLOOR COVERINGS $ 34,100

This project would: (1) repair an area in the basement of Main Hall where water has delaminated a subfloor and is causing tile to come up. The tile is actually nailed down in some places; (2) replace carpet which has worn out in hallways of Main Hall; (3) replace carpet on both floors of the library.

MAIN HALL ACCESS $243,000

REMODELING construction of a 7000 square foot (two levels) pubic entrance to Main Hall will address several needs:

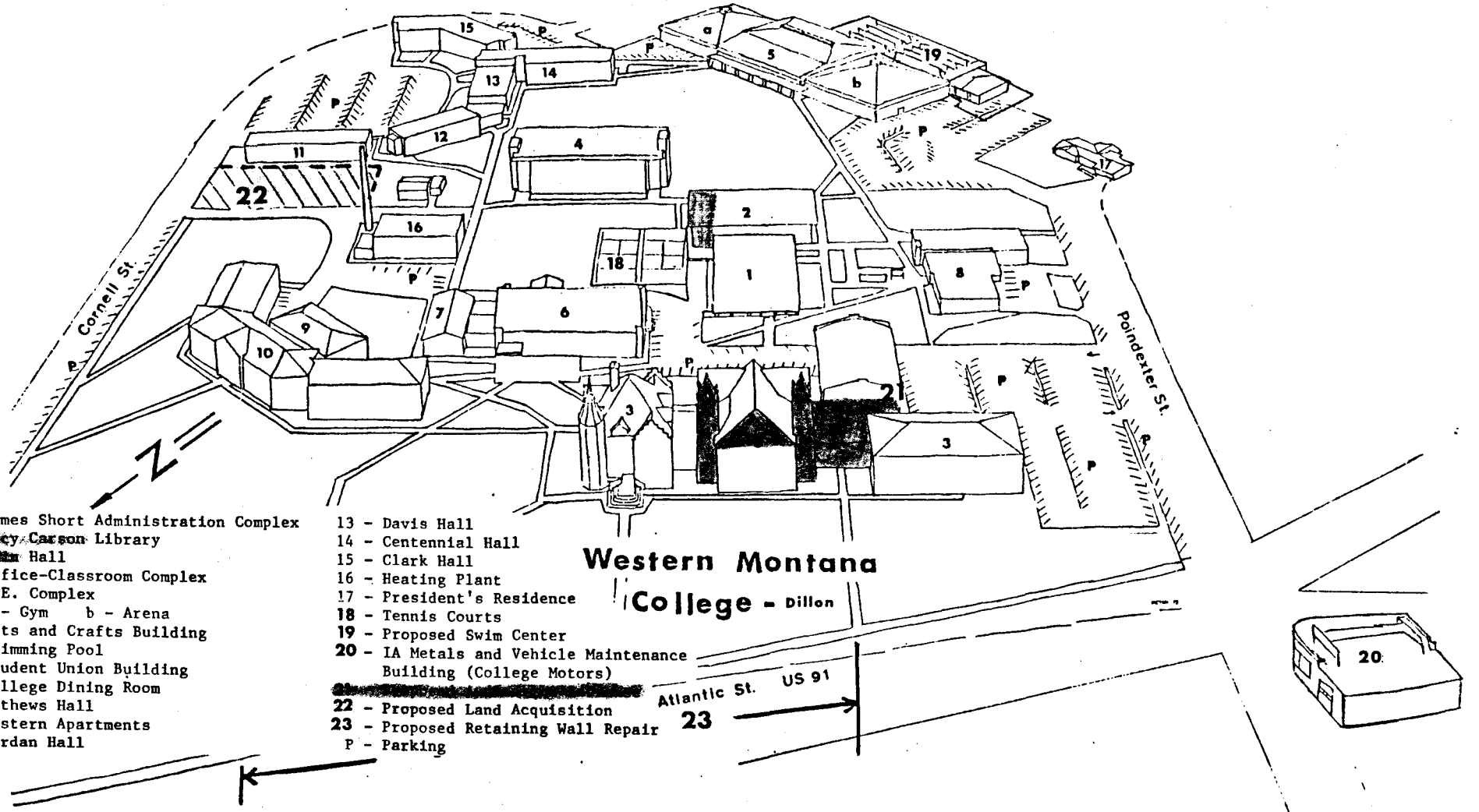
1. Handicap and elderly access to the auditorium and second floor classrooms in the campus's largest academic complex.
2. A direct and attractive access from public parking to the auditorium, used extensively by the community and campus. Current access is circuitous and confusing.
3. Incorporation of a small, two-level gallery contiguous to the auditorium entrance will provide needed display area with security for student exhibits, traveling art shows, and Montana arts and crafts displays.

The project calls for demolition of an existing narrow corridor, the capture of alcove space between complex walls, expanded stairways, and an elevator.

LIBRARY ELEVATOR $ 84,000

The library has three levels: main floor, second floor, and the basement. A microcomputer lab and an audio visual lab have been developed in the basement, giving students access to computers and audiovisual equipment during all hours that the library is open.

When the library was constructed, a space for an elevator was designed but no elevator has been added. The proposed elevator provided handicap and elderly access, as well as a means to move books and equipment readily between the three floors.



1 - James Short Administration Complex
2 - [redacted] Library
[redacted] Hall
4 - Office-Classroom Complex
5 - P.E. Complex
a - Gym b - Arena
6 - Arts and Crafts Building
7 - Swimming Pool
8 - Student Union Building
9 - College Dining Room
10 - Mathews Hall
11 - Western Apartments
12 - Jordan Hall
13 - Davis Hall
14 - Centennial Hall
15 - Clark Hall
16 - Heating Plant
17 - President's Residence
18 - Tennis Courts
19 - Proposed Swim Center
20 - IA Metals and Vehicle Maintenance Building (College Motors)
[redacted]
22 - Proposed Land Acquisition
23 - Proposed Retaining Wall Repair
P - Parking

Floor Covering

Parapet Repair

Elevator

WESTERN

MONTANA COLLEGE

Dillon, Montana

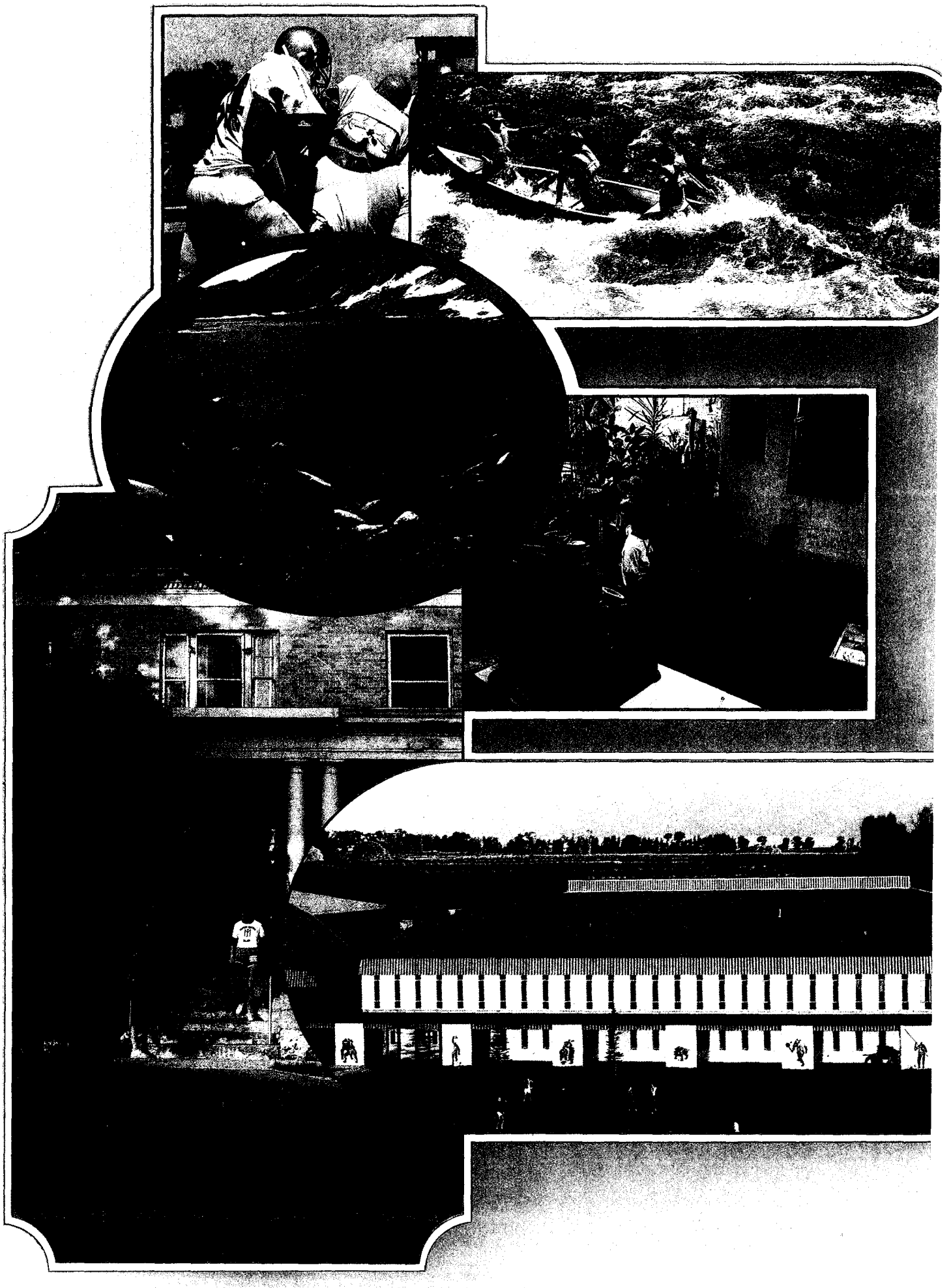
A Spirit of Place...

Intimacy of Involvement . . . in a community of students and staff where it is traditional to interact with the total campus family.

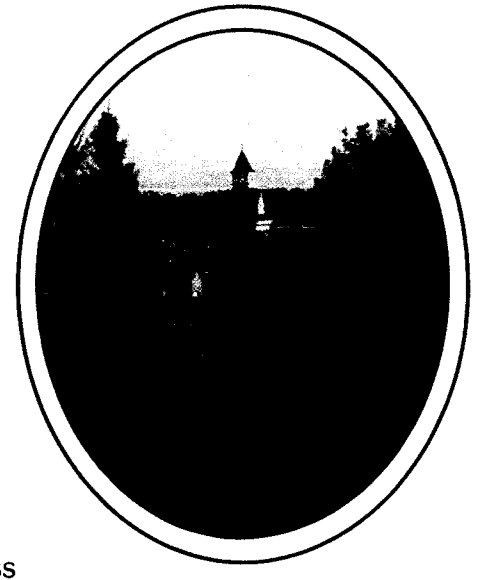
Nurture of Nature . . . in a setting which daily bespeaks the beauties of creation and instills a sense of perspective attuned to life's rhythms.

Communication at WMC accentuates a person-to-person theme. Future teachers explore the magic of empathy. Future managers come to understand the dynamics of behavior. Future leaders delve into our heritage—of history, cultural arts, literature, and recreational advantages.

Western Montana College's educational philosophy embodies experience, as well as exposure, and provides a learning laboratory which can best be described as . . . "A Spirit of Place."



DILLON, MONTANA



Nestled beneath towering Rocky Mountain peaks, the City of Dillon has since 1893 provided a picturesque setting for Western Montana College.

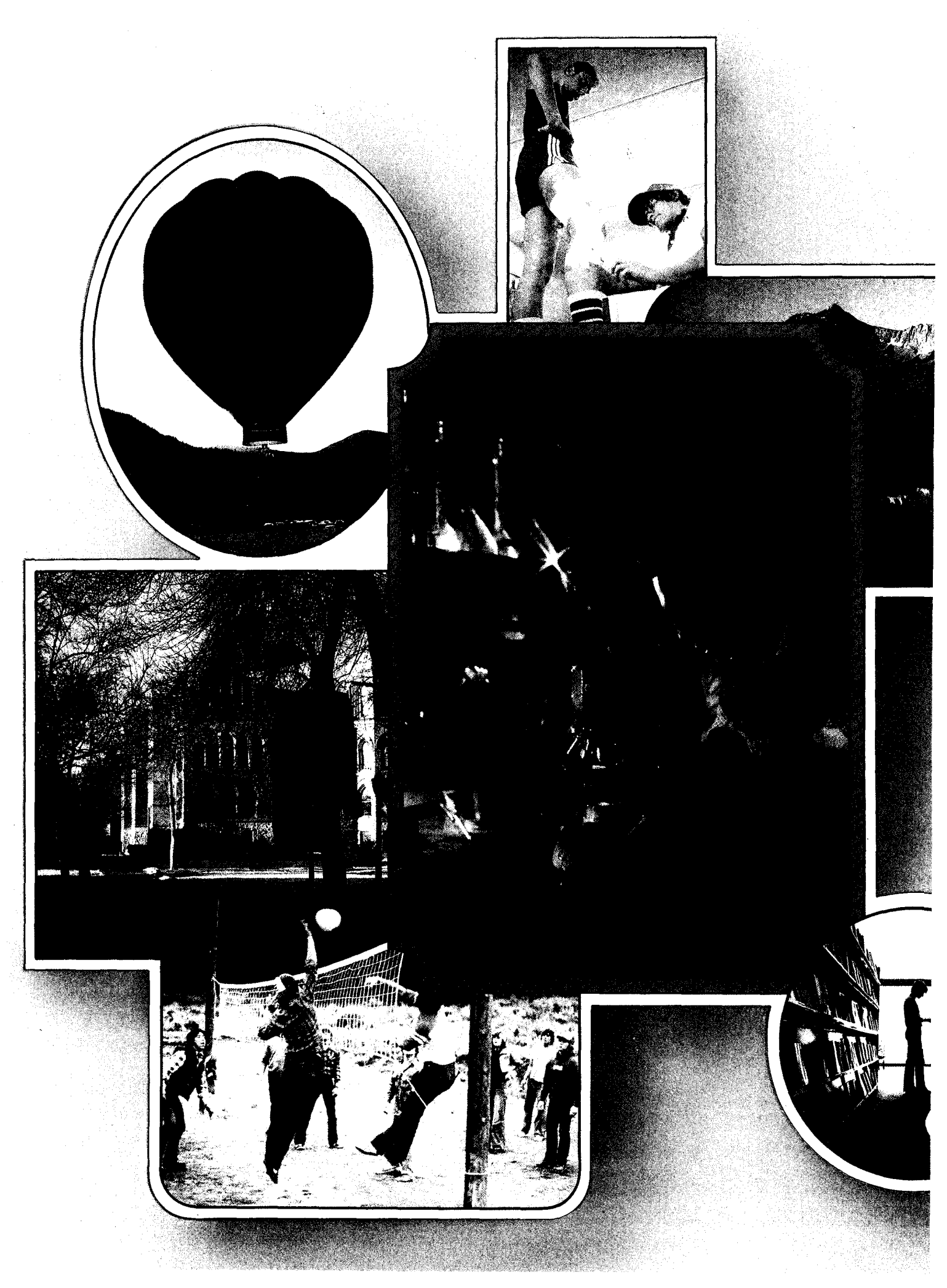
Originating as an early-day railroad camp, Dillon now serves a population of 6,000, a rapidly-expanding business section catering to student needs, and an envied location which offers an unparalleled variety of all-season attractions for the outdoor sportsman. The historic mining camps of Bannack and Virginia City, as well as Yellowstone Park, are within short drives from the campus, while the majestic wonderland of Glacier Park is easily accessible for weekend visits.

THE CAMPUS

Individualized and personalized education has, over an 88-year era, evolved as a distinct trademark of Western Montana College. Rapport between students, staff and townspeople reflects the famed hospitality of the Old West, providing an atmosphere unique to the collegiate experience.

The compact 34-acre campus houses 16 major structures including the more recently-built Library, Science, and Physical Education complexes—all functionally situated to assure easy access.

The college enrolls a relatively small student body of approximately 1,000 students, which permits a low student-faculty ratio and promotes the highly-individualized teaching concept. Spacious classrooms framed by towering pines, snowcapped peaks and the inspirational serenity of alpine splendor are attracting increasing numbers of scholars to Western Montana College's newest campus adjunct, the Birch Creek Outdoor Education Center, sited in the scenic Pioneer Mountains 23 miles northwest of Dillon.



ATHLETICS

Western's Bulldogs and Lady Bulldogs are perennial championship contenders in Frontier Conference arenas.

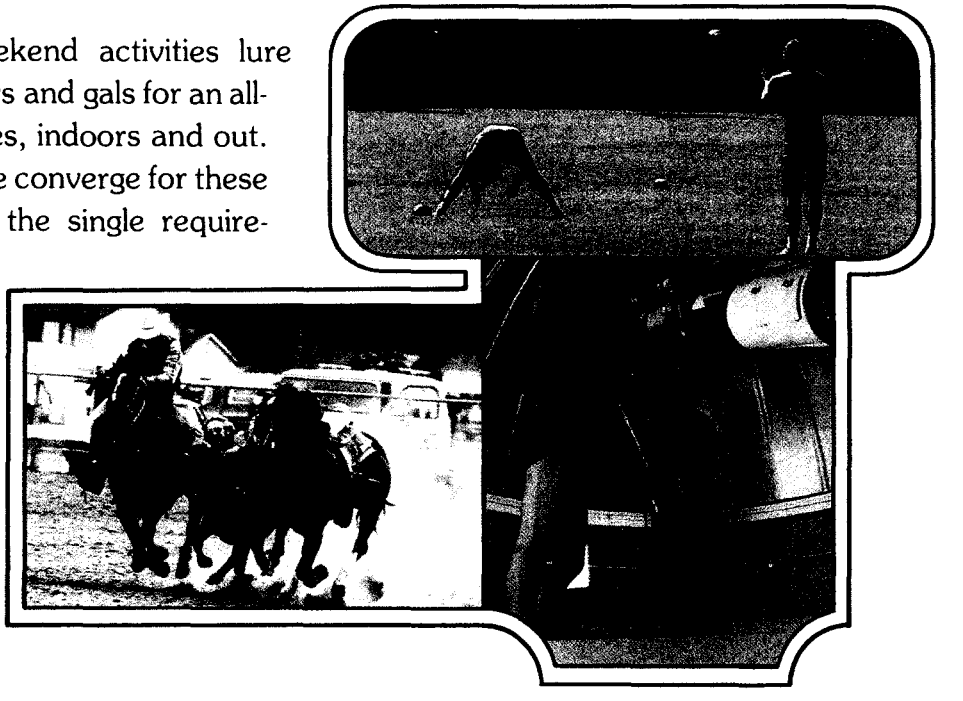
Men's intercollegiate programs span football, basketball, track and wrestling through their membership in the Frontier circuit and District 12 of the National Association of Intercollegiate Athletics.

Western coeds compete in basketball, track and volleyball as members of the Frontier Conference and the Northwest College Women's Sports Association.

INTRAMURALS

A major attraction for the vast cross-section of Western's student body is the extensive Intramurals Program, ranging from basketball to billiards and football to fishing.

Afternoon, evening and weekend activities lure equal representation from guys and gals for an all-season array of fun and games, indoors and out. Athletes and non-athletes alike converge for these low-key competitions where the single requirement is "Enjoy!"



STUDENT ORGANIZATIONS & ACTIVITIES

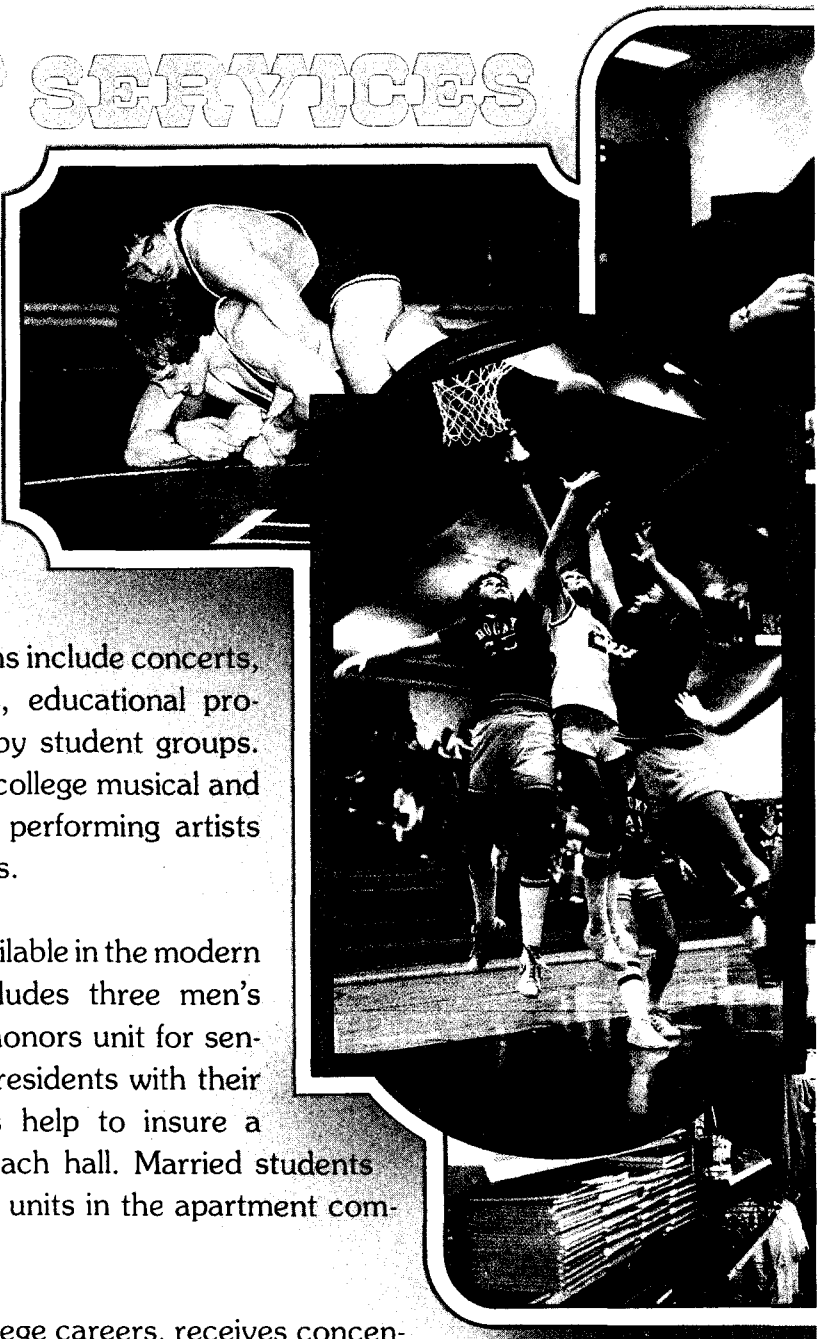
Extra-curricular activities provide a total college experience and Western's campus organizations and special offerings receive high marks from students themselves. Service clubs and campus organizations annually direct wide-ranging projects involving both college and community.

And, for off-campus jaunts, the Dillon area is unsurpassed in recreational opportunities. Nearby mountains, lakes and streams are nationally-noted for their fishing and hunting. Equal enticements abound for skiers, backpackers and snowmobilers in the vast, primitive reaches of Beaverhead County—truly a paradise for the outdoor sports fan!

R.O.T.C.

Leadership and management training are key facets of the Reserve Officers Training Corps program. Basic courses require no military commitment. However, young people interested in U.S. Army careers may be eligible for ROTC scholarships which include full tuition, textbooks, lab fees and up to $1,000 for each year the scholarship is in effect. Advanced courses prepare college-trained officers for the Army, National Guard and Army Reserve.

STUDENT SERVICES



Orientation and Counseling ease the transition from high school to college under the guidance of professionals skilled in the resolution of both academic and personal goals.

On-Campus Entertainment occupies an around-the-calendar spotlight, beamed by a full-time director and his nine-member student program council. Attractions include concerts, dances, lectures, social functions, educational programs and special events staged by student groups. Supplementing those features are college musical and dramatic productions, along with performing artists secured under community auspices.

Housing—Over 300 rooms are available in the modern resident hall complex which includes three men's dorms, the women's hall, and an honors unit for seniors and graduate students. Head residents with their undergraduate resident assistants help to insure a friendly, at-home atmosphere in each hall. Married students may choose one- or two-bedroom units in the apartment complex, adjoining the dorms.

Placement, the bottom line of college careers, receives concentrated emphasis at Western where, year in and year out, graduates advance to rewarding positions in a variety of professional fields. Others, following undergraduate preparation, may elect to pursue further skills in graduate school programs of medicine, law, dentistry or veterinary medicine.

FINANCIAL AIDS

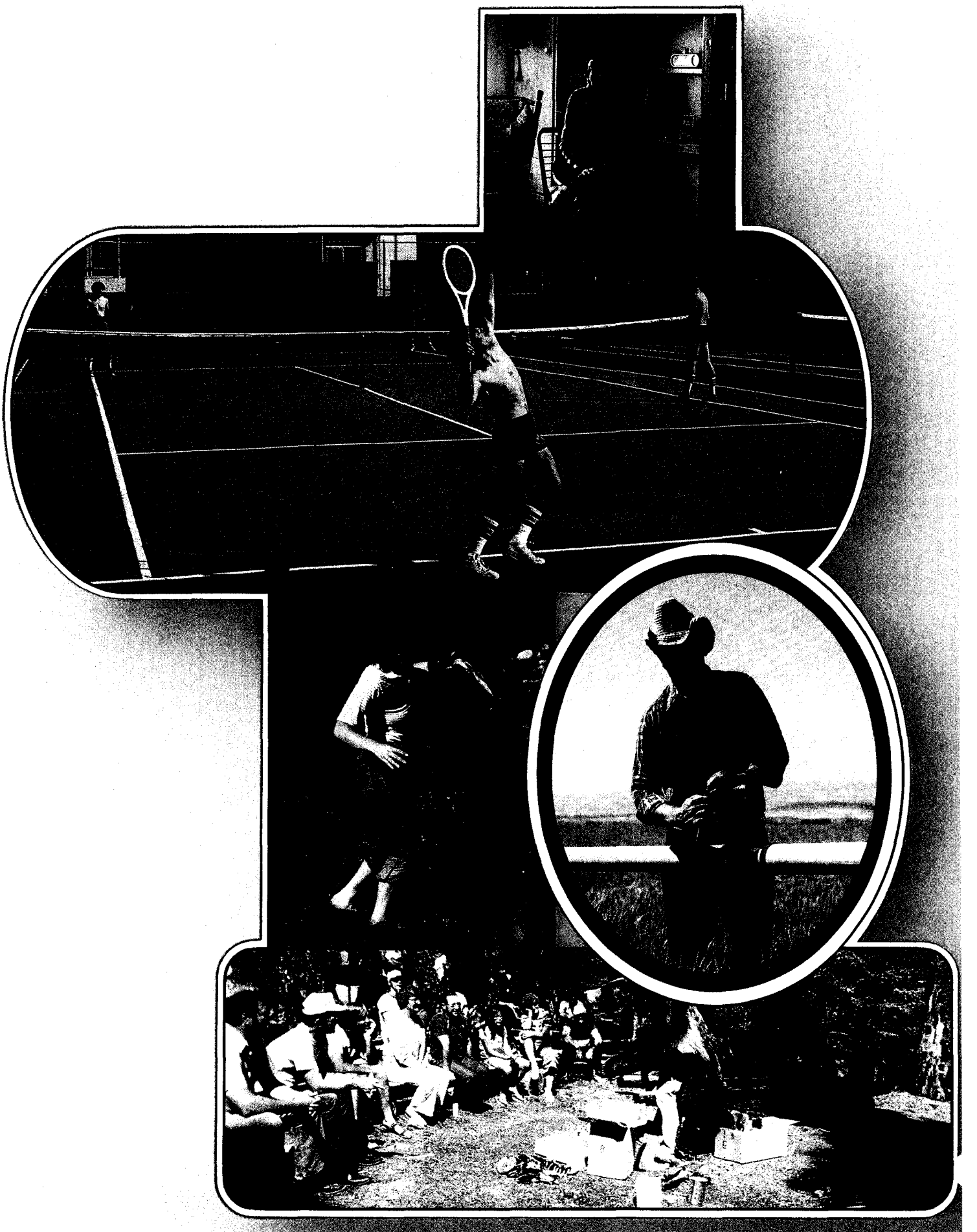
Prospective collegians with limited resources are discovering new routes to higher education via lucrative avenues of financial aids. Over 60% of Western's student body receive assistance through varied programs including work-study, grants and loans. Substantial scholarships at all class levels are funded by WMC's Foundation, Booster Club, Century Club and private donors. A student's financial aid "package" is determined by what the family can contribute, measured against total costs. Invariably, students with proven needs and demonstrated academic credentials can realize college ambitions with the help of one or more financial aid programs.

ADMISSIONS PROCEDURES

Entrance into the Western family is simplified and straightforward.

New students file application forms together with official high school transcripts, American College Testing (ACT) or Scholastic Aptitude Test (SAT) scores, and a standard housing form.

Transfer students submit application forms, transcripts from each college previously attended, and the housing form. Inquiries can be directed to the Office of Admissions, which will assist in resolving any special problems.



BACHELOR DEGREES

Through an ever-broadening range of degree offerings, Western Montana College is opening new avenues toward career opportunities for young people who will discover the special magic of "A Western Experience in Education."

For those who have yet to establish educational and occupational goals, WMC will provide basic programs—including two-year associate degrees—as foundations for future specialization in the students' chosen areas.

Secondary Education:

The Bachelor of Science degree in Secondary Education qualifies graduates for teaching careers in Art, Music, Business, Industrial Arts, Mathematics, Biological Science, Physics, General Science, English, History and Social Science, Chemistry, Reading and Library, and Health and Physical Education with concentrations in Sports Medicine or Athletic Coaching.

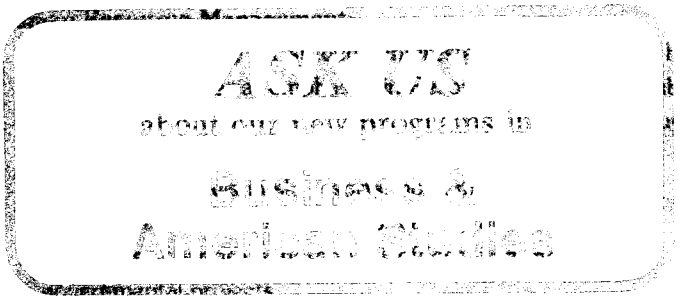
Elementary Education:

A specialized, comprehensive program prepares graduates for teaching in elementary fields ranging from kindergarten through eighth grades with concentrations offered in Reading, Library Science and Rural Education.

Natural Heritage:

This unique WMC program affords a challenging opportunity to combine a traditional liberal arts curriculum with in-depth study of the natural resources of the Rocky Mountain region. Field trips include visitations to such natural wonders as Yellowstone, Glacier and Grand Canyon National Parks.

Graduates of this program have initiated exciting careers in such fields as tourism, Fish and Game, Bureau of Land Management and Forest Service.



an relations, this behavioral management
Service and Institution-Human Services.
oth state and private agency internships.

Associate Degrees:

These two-year programs are recognized by business and industry as valued credentials for employment and assure solid foundations for the student who may wish to later specialize in a four-year degree program.

POST-GRADUATE OFFERINGS

Master's Degree in Education
With concentrations in Guidance-Counseling and Education

★

Fifth Year Professional
Certificate for Teachers

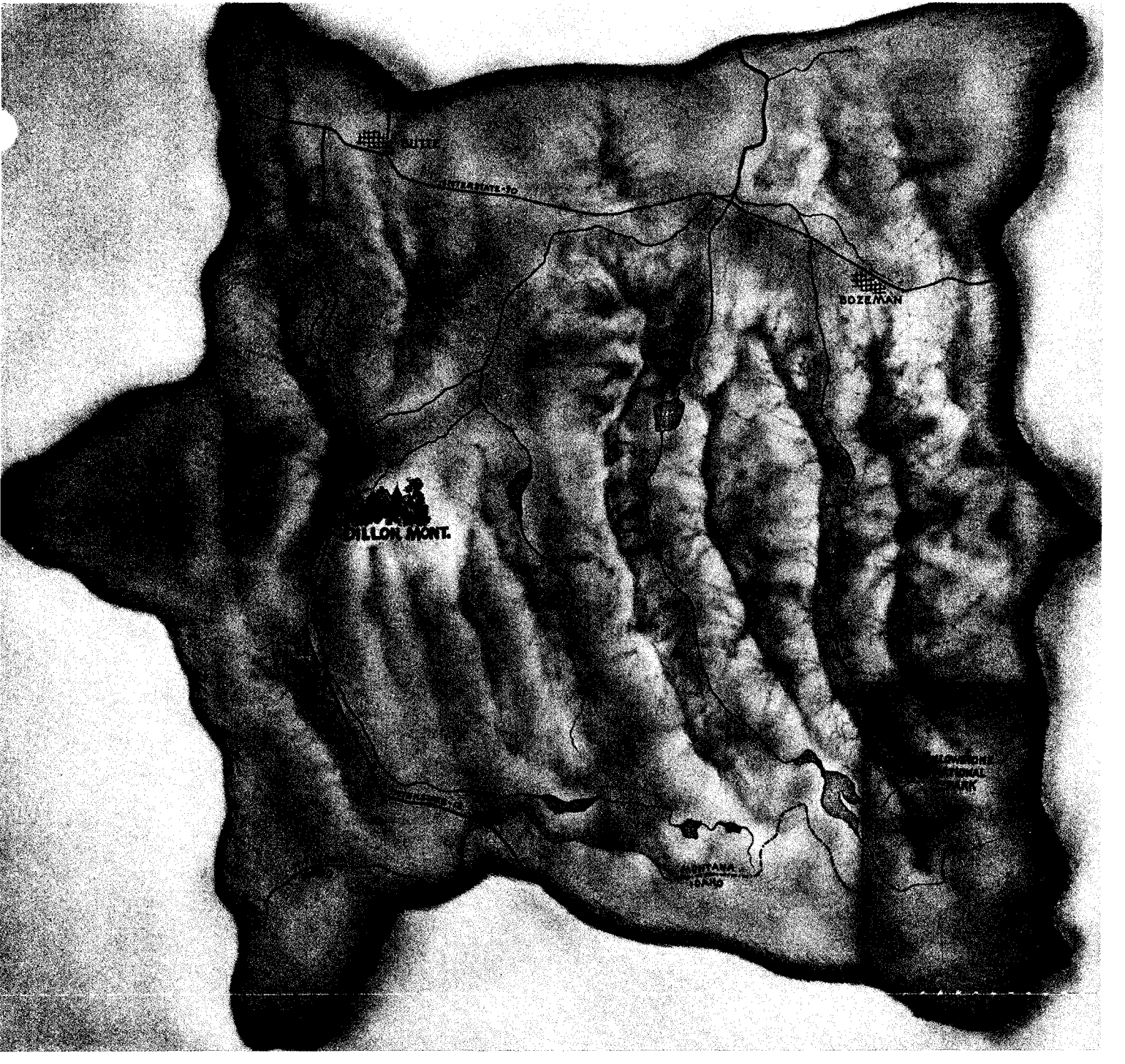
STUDENT UNION

Relaxing in the lounge, watching a favorite TV program, browsing in the bookstore or enjoying a sandwich and coke at the snack bar—those are just a few of the diversions available in the SUB. Also incorporated within this central gathering site are student government headquarters, the popular games room, information on campus activities and those welcome opportunities for quiet chats with friends from student, faculty and administrative ranks.

CAMPUS VISITS

The true test in selecting a college is to view it firsthand, meet its people, tour its campus, and explore its programs. Western cordially invites all prospective students and their families to experience the special essence of a small college in a scenic mountain setting. Contact the Office of Admissions and necessary arrangements will be completed.

Phone: (406) 683-7331



WESTERN MONTANA COLLEGE

Dillon, Montana

Date _____

Name _____

Address _____

_____

Telephone ( ) _____

Please send me:

Application for Admission ..... ☐
Housing Information ..... ☐
College Catalog ..... ☐
Financial Aid Information ..... ☐
WMC Brochure ..... ☐

I would like additional information concerning _____

_____

Design and Production
Starr Advertising Art
Bozeman, Montana

Photography
Lorraine B. Aruppe
Livingston, Montana

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY CARD
FIRST CLASS PERMIT NO. 13 DILLON, MONT.

POSTAGE WILL BE PAID BY ADDRESSEE

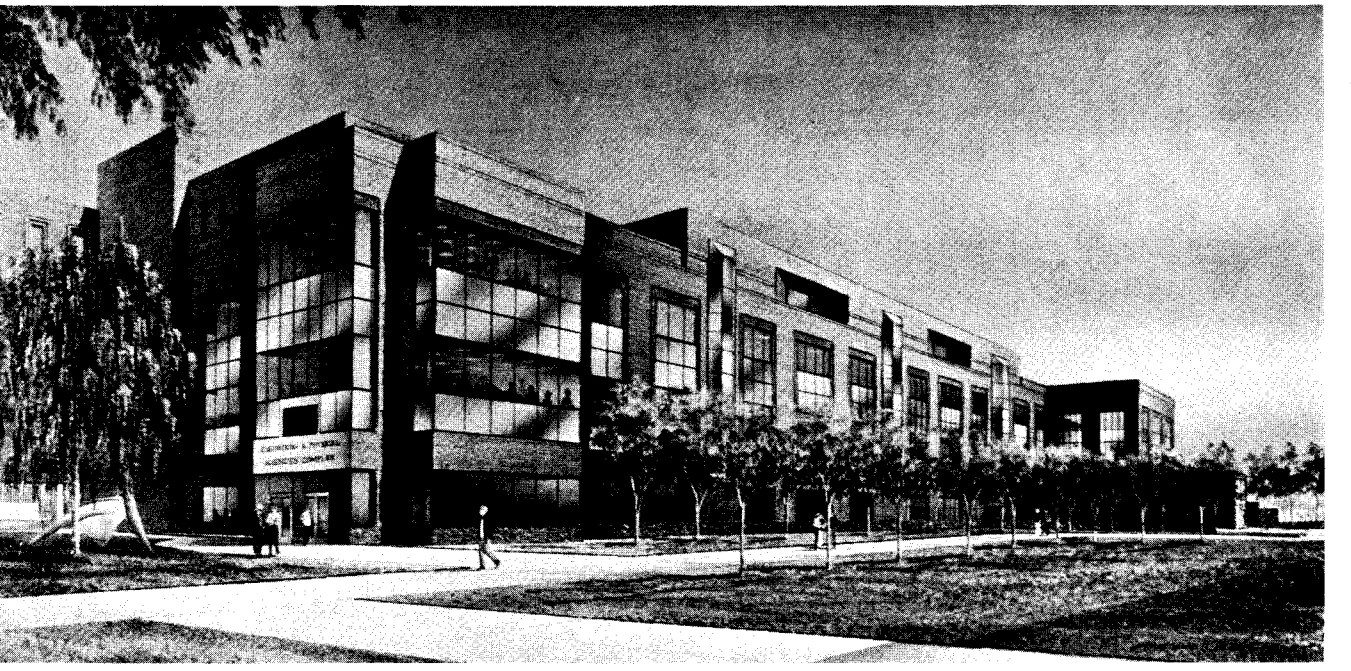
WESTERN MONTANA COLLEGE

DILLON, MONTANA 59725

Admission's Office

Exhibit # 2
1-17-85
MSU

Legislative Executive Summary



Engineering/Physical Sciences Complex

Montana State University
Bozeman, Montana

January 1985

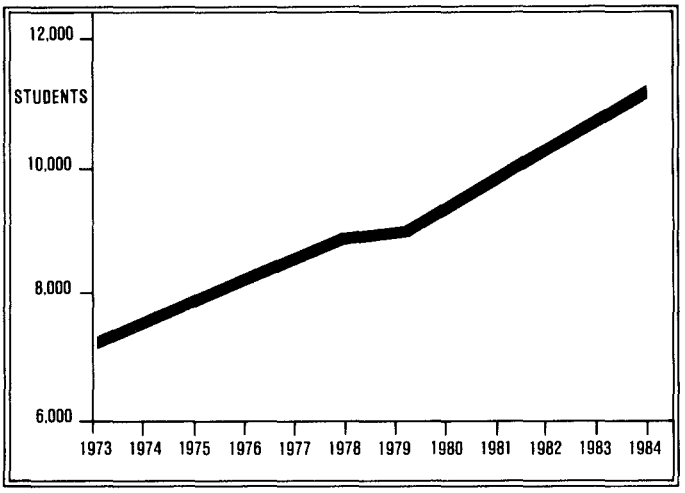
CTA Architects Engineers
Billings, Montana

Metz Train Youngren
Phoenix, Arizona

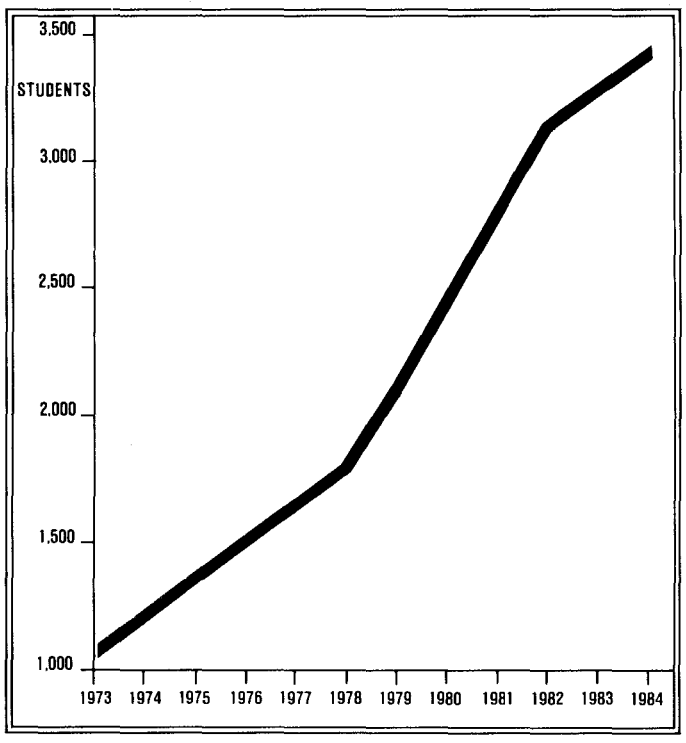
Morrison-Maierle, Inc.
Helena, Montana

SUMMARY

University Enrollment



Engineering and Physical Sciences Enrollment



Project Description

- Contains major center for outreach to Montanans and to developing industry.
- Creates stronger links between Engineering and Physical Sciences.
- Addresses needs of seven engineering departments (including Computer Science) plus Physics, Chemistry and Ag and Industrial Education.
- Adds 105,000 s.f. of versatile new laboratories, classroom and support spaces, and modernizes 115,000 s.f. of existing space at an estimated cost of $15 million.

The University

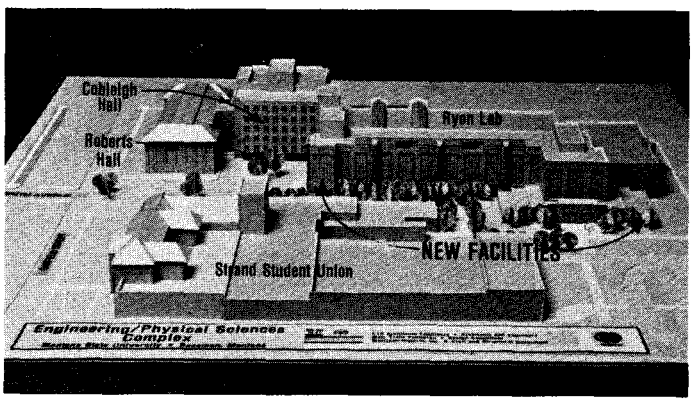
- While colleges and other universities have declined, MSU's enrollment has continued to grow.
- As Montana's Land Grant University, MSU's emphasis is on science, engineering and agriculture with strong humanities and professional programs.
- The Colleges of Agriculture, Engineering and Letters and Sciences comprise over 50% of the total enrollment.

Engineering and Physical Sciences

- Growth of the College of Engineering has tripled in the last ten years.
- Physical Sciences' teaching load has expanded dramatically.
- Skills taught in Engineering and Physical Sciences are in the mainstream of the technical and information age. Virtually all MSU students take some courses in these areas.
- Undergraduate engineering enrollment is limited by available space and resources.

Need for the Project

- Additional space to serve growth.
- Modernized space to serve new technology needs for both MSU and the State.
- Accommodate blending of Engineering and Sciences required by current and future technologies.
- Focus efforts for Montana's movement into the expanding high technology economy.



Goals And Objectives

The following goals and objectives were established during the planning process.

1. Enhance the educational experience through the turn of the century of students in engineering and physical sciences at Montana State University.

2. Enhance MSU's role in the economic development of the State.

3. Help foster economic development that will keep Montana's youth productively employed in Montana.

4. Facility must exploit the leading edge technology in electronic communication systems.

5. Finished complex to promote the image as the science and high technology center for the State of Montana.

6. Provide a quality environment that inspires excellence.

7. Provide an obvious and logical point or entrance on the campus for Engineering and Physical Sciences.

8. Structure and utilities require adaptability to changing needs and future technology.

9. Building arrangement that would foster exchange and integration between faculty/faculty, students/students and faculty/students.

10. Construction, systems and materials which will be energy efficient and low in maintenance.

Space Requirements

This project consists of two interdependent components:

- Construction of new space to meet the requirements of high technology.
- Modernization and reassignment of space in five existing buildings to meet the needs of conventional programs.

NEW BUILDING SPACE SUMMARY

I.	DEPARTMENTAL SPACE (High Tech/High Image Generic Labs)		45,034 s.f.
	A. Mechanical Engineering	4,350 s.f.	
	B. Computer Science	13,027	
	C. Computing Services	3,350	
	D. Physics	15,140	
	E. Electrical Engineering	9,167	
II.	SHARED TECHNICAL SUPPORT SPACES		5,200 s.f.
III.	SHARED CONTINUING EDUCATIONAL/RESOURCE SPACE		6,500 s.f.
IV.	SHARED EDUCATIONAL SPACE		8,000 s.f.
V.	SHARED SUPPORT SPACE		3,820 s.f.
TOTAL ASSIGNABLE AREA			68,554 s.f.
VI.	NON-ASSIGNABLE AREA (Structural, Mechanical, Circulation, Toilets		36,446 s.f.
TOTAL GROSS AREA			105,000 s.f.

REMODELING SPACE SUMMARY

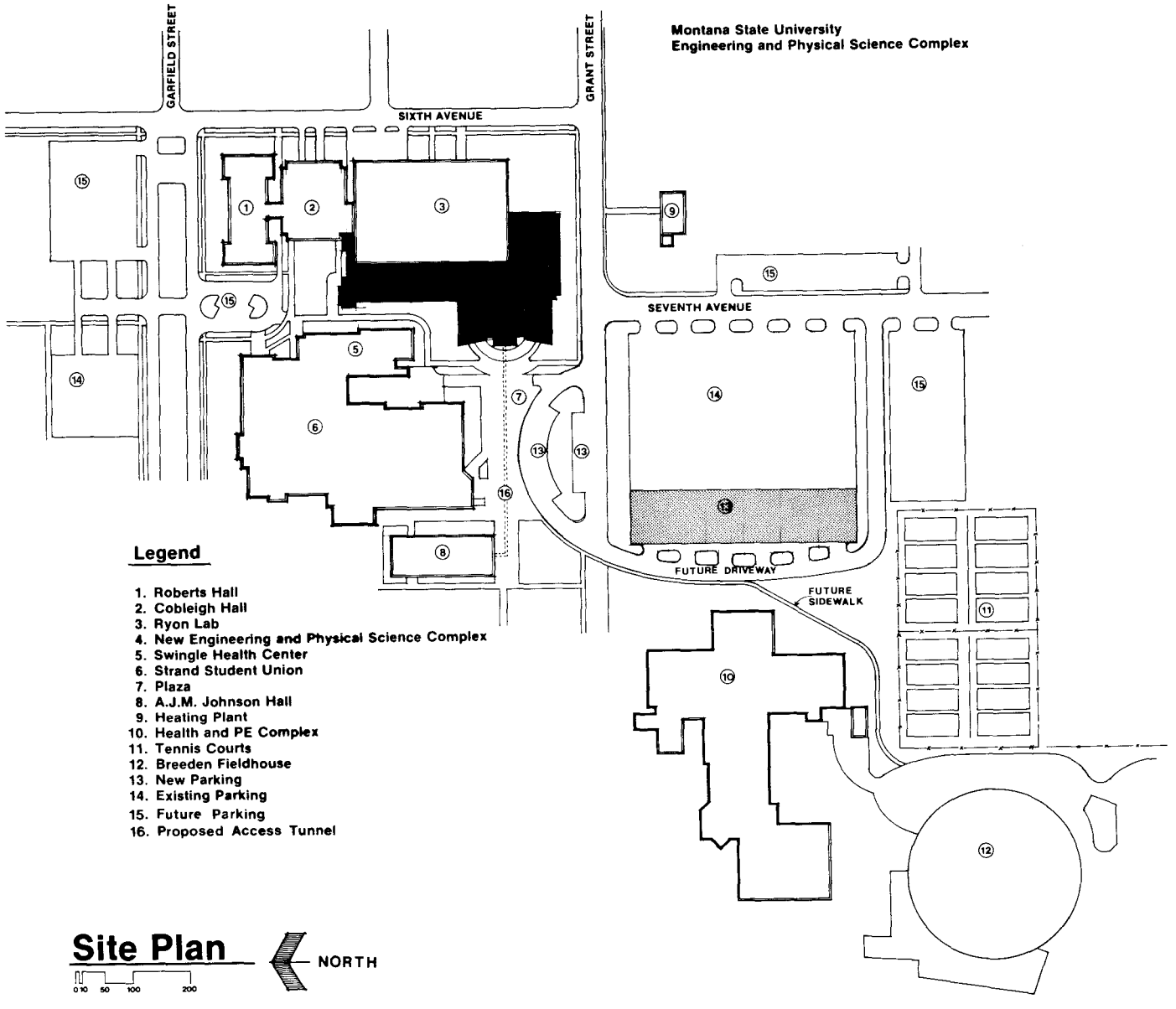
I.	Roberts Hall (Engineering)	12,391 s.f.
II.	Cobleigh Hall (Engineering)	49,212 s.f.
III.	Ryon Lab (Engineering)	25,804 s.f.
IV.	AJM Johnson Hall (Physics)	14,816 s.f.
V.	Gaines Hall (Chemistry)	12,456 s.f.
TOTAL REMODELED AREA		114,679 s.f.

Costs

PROJECT COST SUMMARY - SCHEMATIC DESIGN

1.	NEW CONSTRUCTION (105,000 s.f.) Building & Site Development		$10,679,549
2.	REMODELING		2,346,954
	Roberts Hall incl. Fire Exit (12,391 s.f.)	$279,445	
	Cobleigh Hall (49,212 s.f.)	$559,271	
	Ryon Lab. incl. Reroofing (25,804 s.f.)	$711,748	
	AJM Johnson Hall (14,816 s.f.)	$298,250	
	Gaines Hall (12,456 s.f.)	$498,240	
3.	RELATED PROJECTS		203,000
	Tunnel - Johnson to New Building	$143,000	
	Replacement Parking (150 spaces)	$ 60,000	
4.	CONTINGENCY		660,000
	TOTAL CONSTRUCTION COST		$13,889,503
5.	PLANNING & REPRODUCTION		$ 1,250,000
6.	FURNISHINGS (No Technical Equipment)		$ 130,000
	TOTAL PROJECT COST (Bid February 1986)		$15,269,503

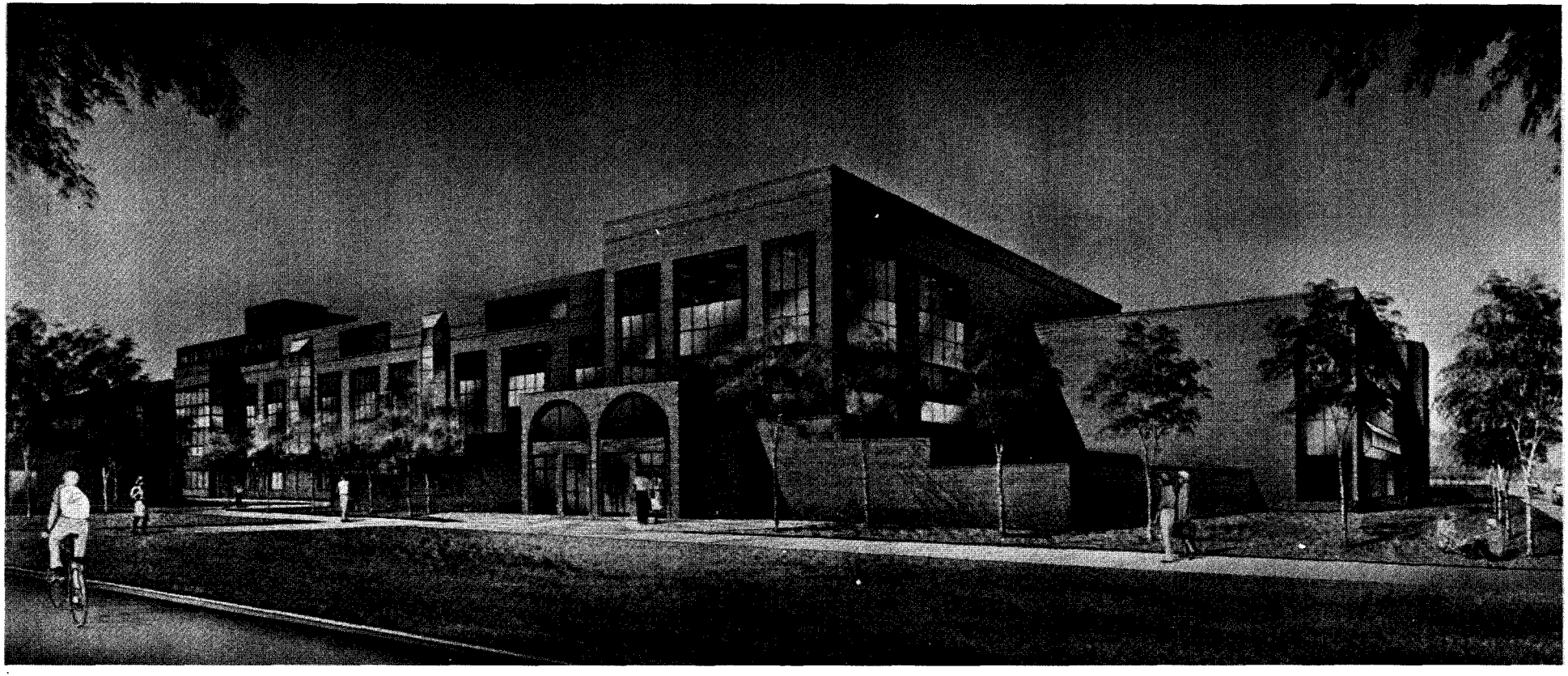
Montana State University
Engineering and Physical Science Complex



Metz Train Youngren

Engineering/Physical Sciences Complex

View of Southwest Entry

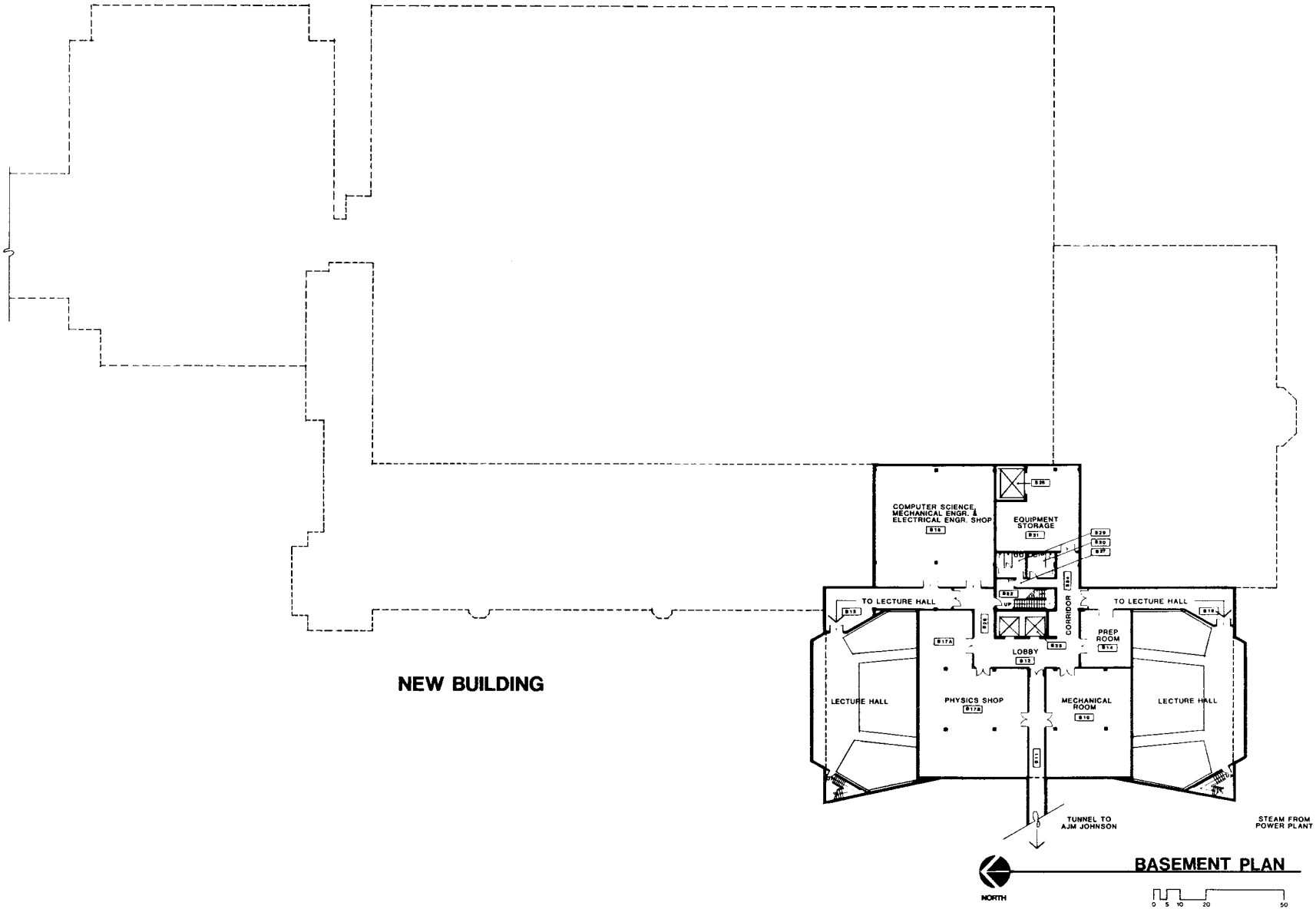


Metz Train Youngren

Engineering/Physical Sciences Complex

COBLEIGH HALL

RYON LABORATORY



NEW BUILDING

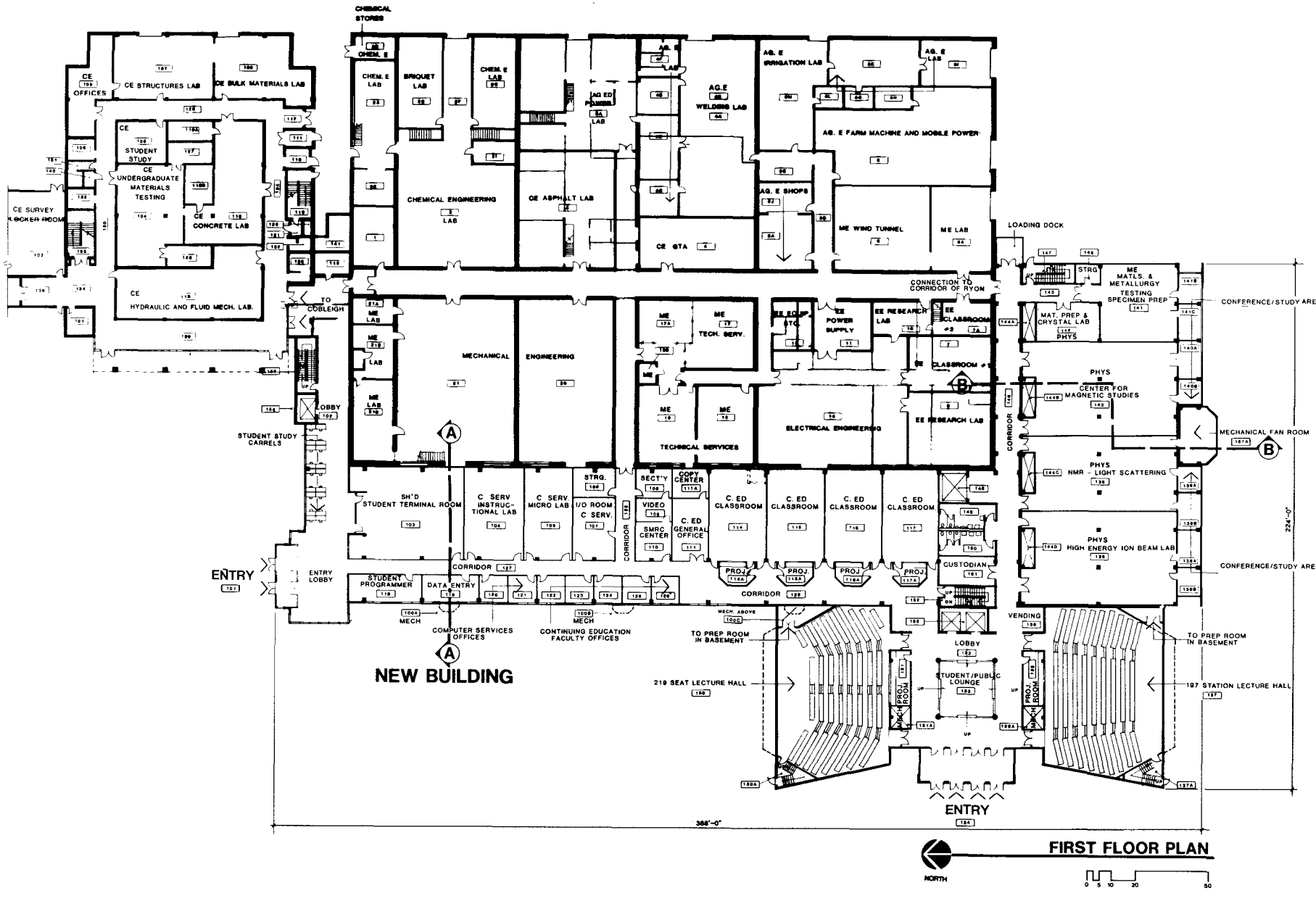
BASEMENT PLAN

Metz Train Youngren

Engineering/Physical Sciences Complex

COBLEIGH HALL

RYON LABORATORY



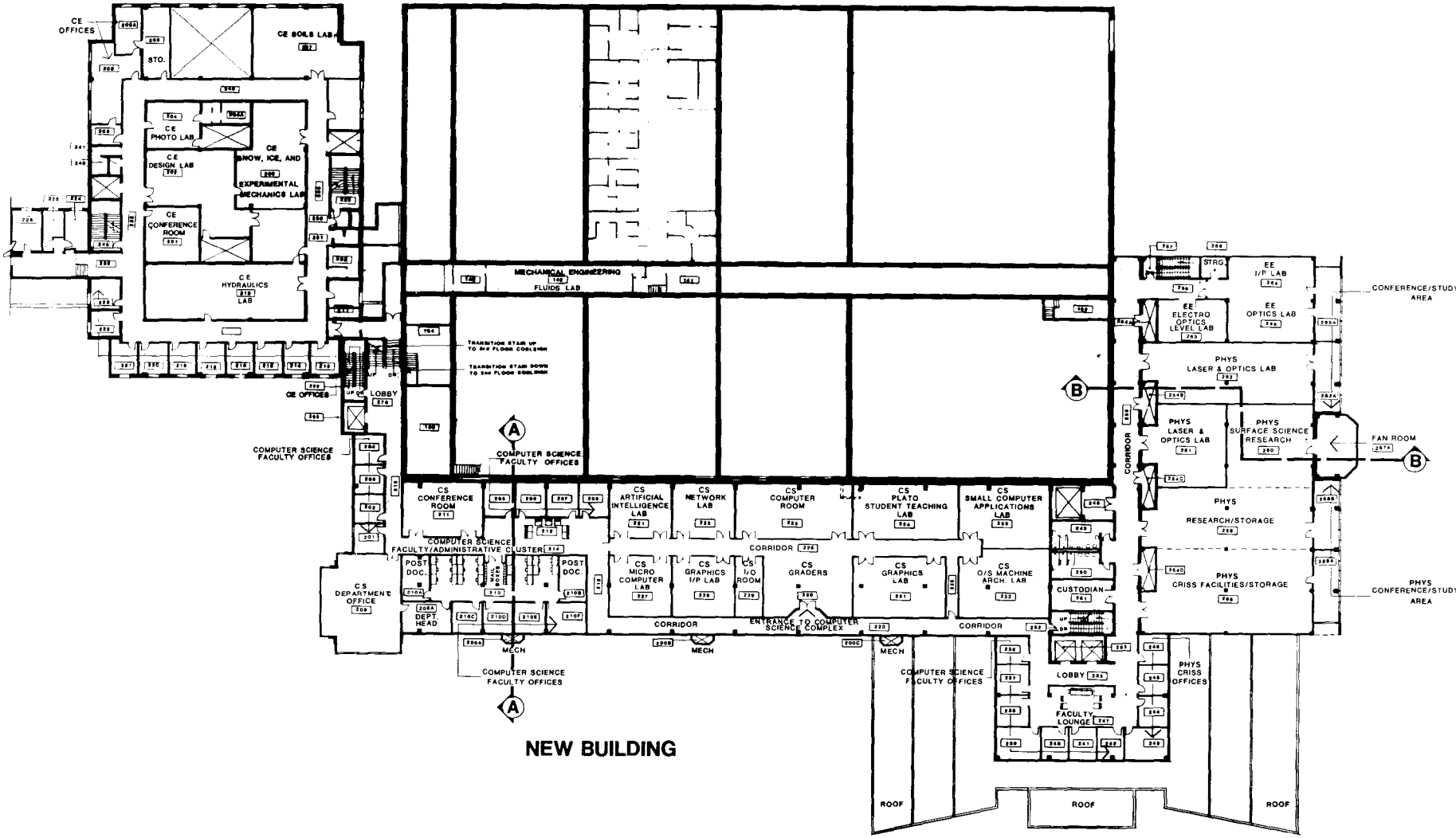
FIRST FLOOR PLAN

Metz Train Youngren

Engineering/Physical Sciences Complex

COBLEIGH HALL

RYON LABORATORY



NEW BUILDING

SECOND FLOOR PLAN

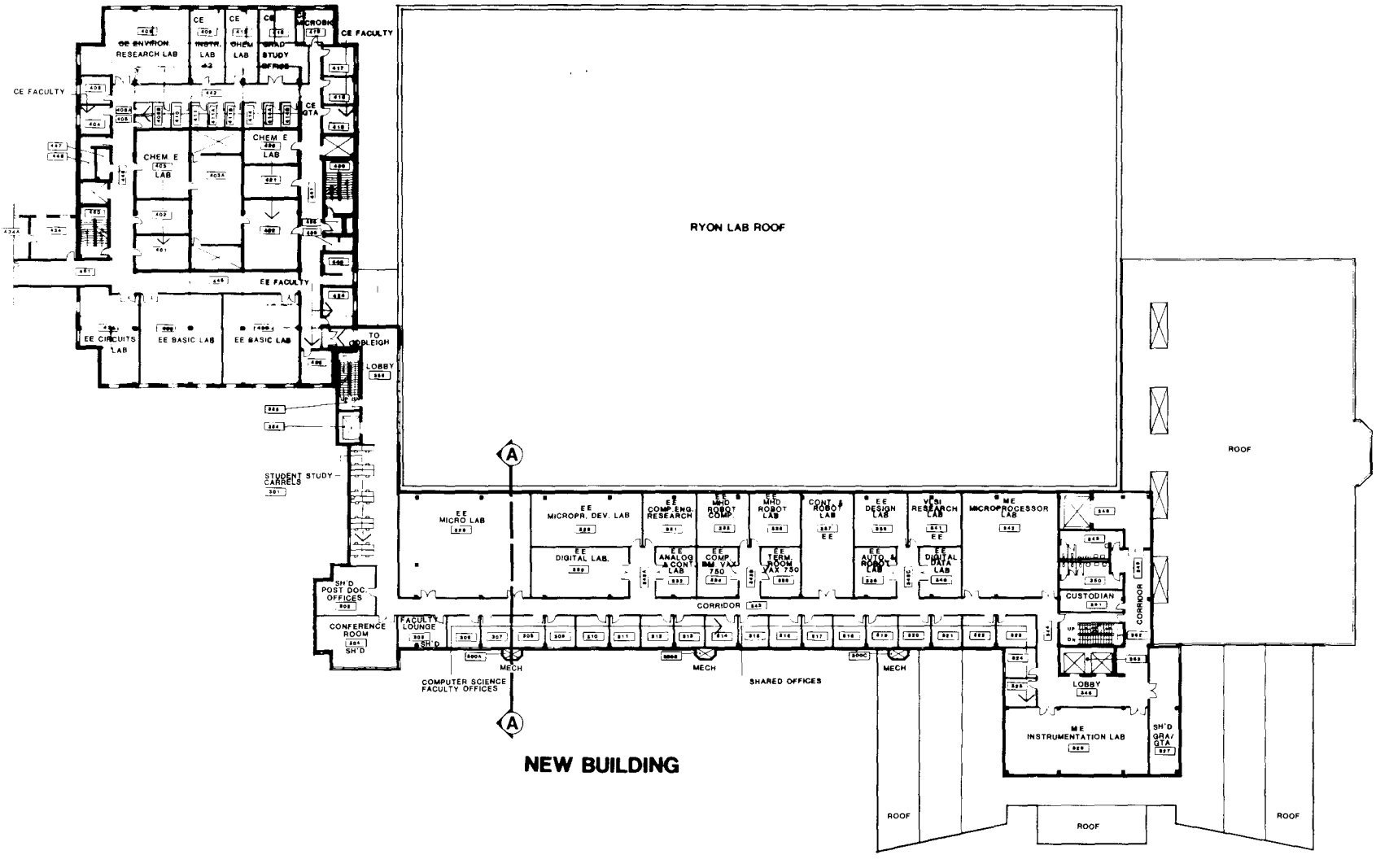
0 5 10 20 50

Metz Train Youngren

Engineering/Physical Sciences Complex

COBLEIGH HALL

RYON LABORATORY



THIRD FLOOR PLAN
COBLEIGH FOURTH FLOOR

0 5 10 20 50

Metz Train Youngren

Engineering/Physical Sciences Complex

MSU Engineering/Physical Science Complex
Bozeman, Montana

Metz Train Youngren

Project Time Table

August 1984

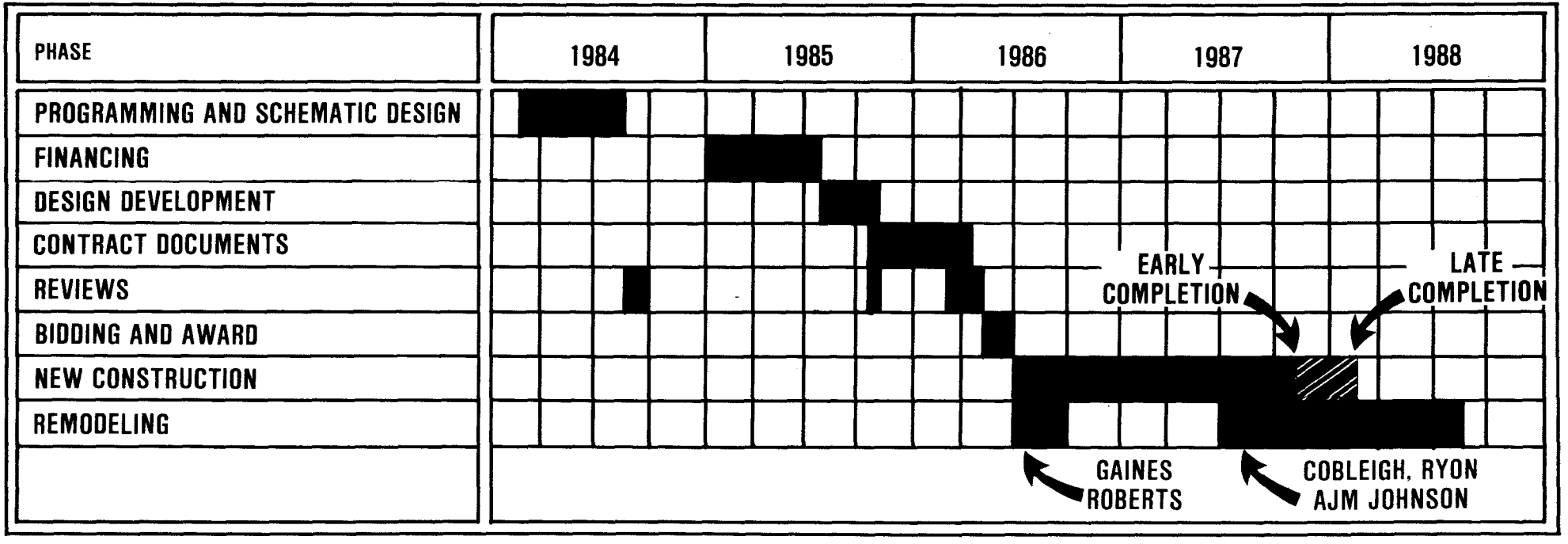


Exhibit #3
1-17-85

OFFICE OF THE ASSOCIATED STUDENTS

ASMSU

ASMSU

January 17, 1985

Mr. Chairman, members of the Committee, for the record, my name is Diane Hill, and I am the president of the Associated Students of Montana State University. I am here to stand in support of the proposed Engineering and Physical Sciences Complex.

As a representative of the students of MSU, I would like to share a student perspective of the present Engineering and Physical Sciences facilities. One student commented that Ryon Lab was terribly inadequate as a learning facility. The graduate students' offices have large holes in the walls. The lab is a "furnace in the summer and an icebox in the winter." It is difficult for me to believe that students are able to fully concentrate on their studies under these conditions.

Montana is losing top-notch people because students are not able to find jobs in the state. For example, an acquaintance of mine graduated at the top of her class in Computer Science. She was extremely active in the Bozeman community and at Montana State University. Before leaving MSU, she received the highest honor given to a senior, the Five Year Speaker Award. This talented individual was approached by four companies with job offers. She was forced to leave Montana in order to further her career. In losing this computer science major, Montana has been deprived of a valuable citizen.

Many students I visited with would like to stay in Montana after graduation. They realize, however, that by choosing to be in an engineering or physical science field, they must sacrifice the option of staying in Montana, their home.

The Engineering and Physical Sciences Complex would allow Montanans to remain in the state and offer their valuable talents to future Montanans.

For these reasons, I would like to go on the record in support of this building.

Diane Hill, ASMSU President

MONTANA STATE UNIVERSITY, BOZEMAN MT, 59717 406-994-2383

Exhibit #4
1-17-85
ASMSU

OFFICE OF THE ASSOCIATED STUDENTS

ASMSU

January 17, 1985

Mr. Chairman, Members of the Committee, for the record I am Michelle Wing, lobbyist for the Associated Students of Montana State University. I stand before you today to voice support of the proposed Engineering and Physical Sciences Complex.

You have been hearing a lot of talk in recent days about "investing in the future," and "helping to promote the economic growth of the State of Montana." Growth and future have one common feature: they are both completely dependent on the active presence of Montana youth. Thousands of Montana high school seniors are presently going through the pain-staking process of outlining their career paths. Where will they go to school? What are their long-term goals? How, in a time of high cost of education and decreasing financial aid, can students best lay out their career plans?

Our young people have some tough decisions to make. You can help them out, by providing quality education in their home state for the immediate future, and helping to expand Montana's job market for the years beyond that. This Engineering and Physical Sciences Complex aids all Montana students in a way that is difficult to condense into one paragraph. A challenging and competitive educational environment keeps local students in the state. The longer they remain here, the more likely they are to someday return here, even if the students do not get their first job in the state. Even more importantly, this Complex is a major step towards the diversification of Montanan jobs, opening out into technological fields and scientific potential that existed only in our imaginations 15 years ago. This is the kind of project that can make this a state worth coming back to, and soon, a state our young talent can call their true home.

Today's students have practical goals and economic constraints that are a part of the 1980's. To accomodate their needs, and to provide hope for the future of the state of Montana, we need to begin the institution of centers for science such as the one proposed at MSU. Right now, it's the best investment this Committee can make.

Michelle E. Wing

Michelle E. Wing, ASMSU Lobbyist

MONTANA STATE UNIVERSITY, BOZEMAN MT, 59717 406-994-2933

Exhibit 5
1-17-85

The Big Sky Country

MONTANA HOUSE OF REPRESENTATIVES

John Vincent
Speaker

January 17, 1985

TO: REPRESENTATIVE BOB THOFT, CHAIRMAN
LONG RANGE PLANNING SUB-COMMITTEE

RE: TESTIMONY IN SUPPORT OF IMPROVEMENTS FOR THE POST-AGRONOMY RESEARCH FARM

The Post Agronomy Research Farm currently uses a quanset facility that is totally inadequate from a health and human safety standpoint. Restroom facilities are inadequate. Insulation is almost non-existent and the ability to repair and maintain machinery during the winter months is severely hampered. Fuel delivery systems do not meet safety standards and can ultimately lead to serious accidents and potential loss of life. I feel the $120,000 request is appropriate to develop a new shop and fuel delivery system.

BY: John Vincent
JOHN VINCENT, SPEAKER

Exhibit 6
1-17-85
MSU

PRESENT FARM SHOP

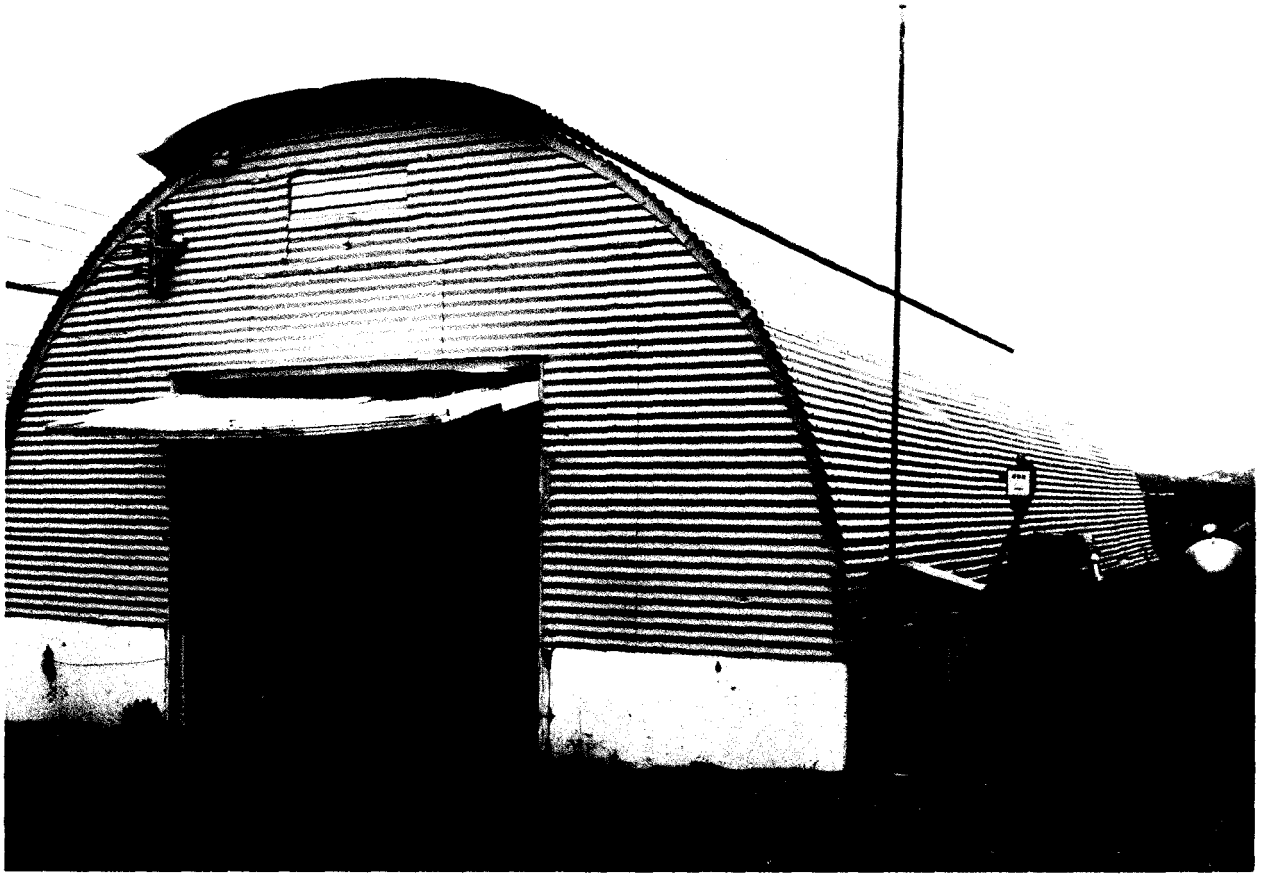
A. H. Post Research Farm,
Montana Agricultural Experiment Station, Bozeman.

Size 20' x 50' Quonset

Transferred from Campus, MSU. 1958

Used by the Departments of:
Plant and Soil Science
Agricultural Engineering
Plant Pathology
Entomology
Cooperative Extension Service

NOTE: Windowless building and the only gas pump on the Station.

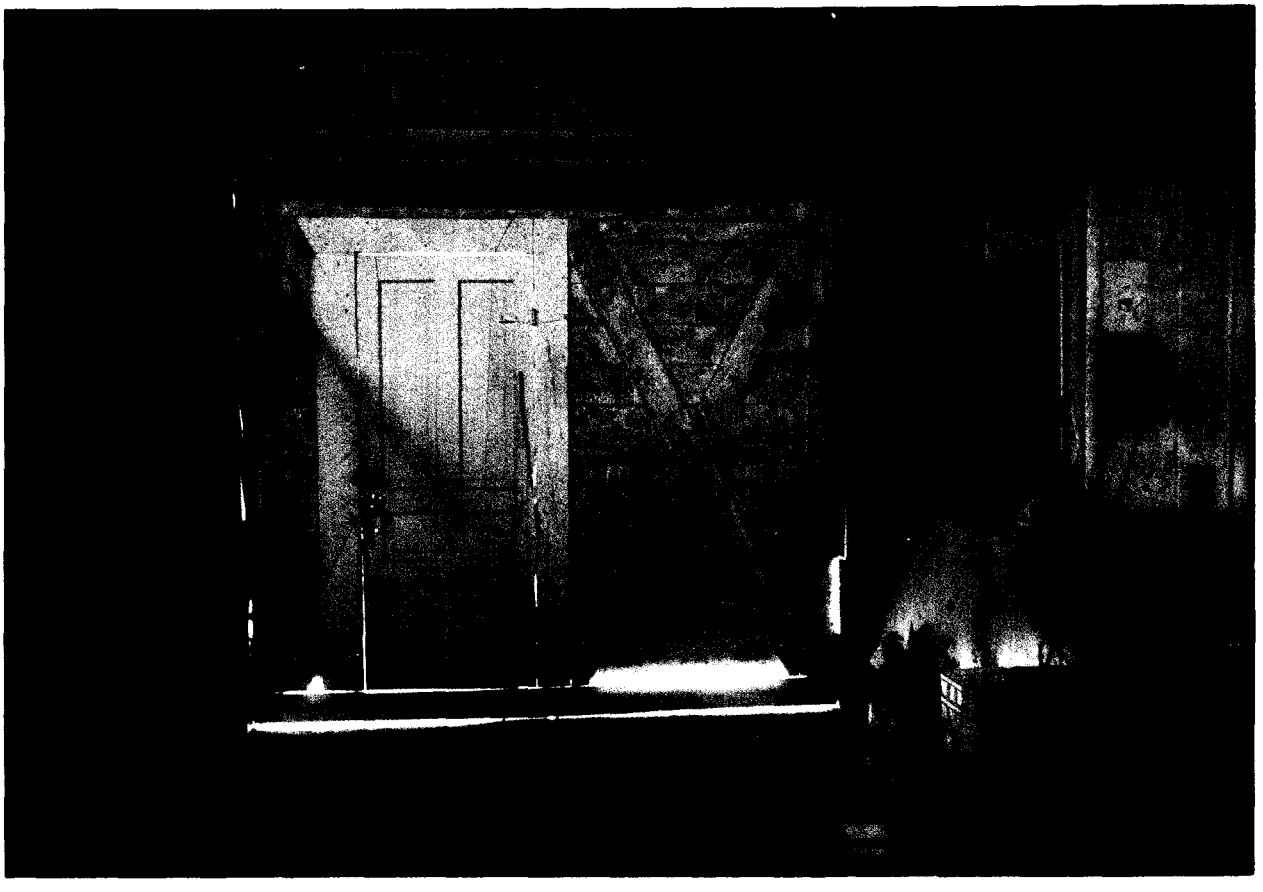


CRACKED FOUNDATION

The building has a partial celotex wall sitting on a cement foundation. The foundation has numerous cracks. Water leaks into the building and forms ice on the floor during the winter months.

INADEQUATE HEATING AND INSULATION

The propane heating and insulation are inadequate. Note air leaks under the door. Note welding facility on the left side. The outside gas pump is opposite the welding equipment only 10-15 feet away (in violation of OSHA requirements).

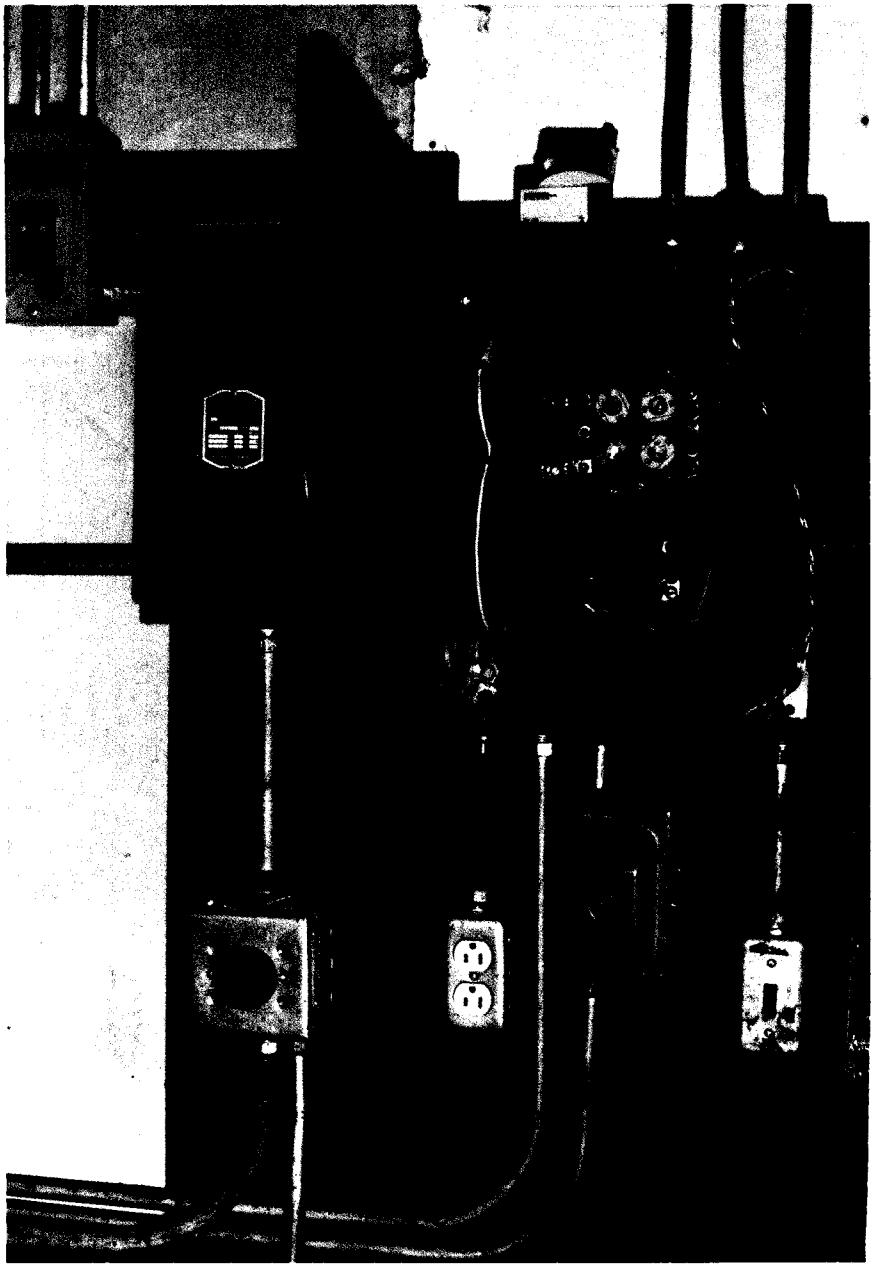


INADEQUATE TOILET FACILITY

Only one toilet to meet the needs of 50-70 faculty, support staff and temporary help who attend to research programs.

INADEQUATE WIRING

Both 220V and 110V services are needed. Overhead lights from drop cords provide inadequate lighting for repair work.



WITNESS STATEMENT

Name Richard W. Mockler Committee On LRBP

Address PO 9453 Date

Representing Montana College Coalition - ASWMC Support ✓

Bill No. WMC Request Oppose

Amend

AFTER TESTIFYING, PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Comments:

1. Students at WMC support the Regents' proposals.

2. Students wish the committee to remember, during their difficult deliberations, that basic, well-maintained
3. facilities are necessary for basic education. We feel these requests are not extravagant but as pared-down as possible.
4. Education is Montana's largest investment and, as such, is worth the minimum funds it takes to get the most from that investment.

Itemize the main argument or points of your testimony. This will assist the committee secretary with her minutes.

FORM CS-34
1-83

WITNESS STATEMENT

Name DAVID F. GIBSON Committee On LRBC

Address BOZEMAN, MT Date 1/17/85

Representing MSU Support

Bill No. Oppose

Amend

AFTER TESTIFYING, PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Comments:

1. JUSTIFICation for Engineering / Physical Sc Buildings.
- program growth, quality of space, emerging technologies, importance to economic foundation of state, job opportunities for citizens, growth of awareness & industry, Statement of commitment by State

2.

3.

4.

Itemize the main argument or points of your testimony. This will assist the committee secretary with her minutes.

FORM CS-34
1-83

WITNESS STATEMENT

NAME J. DENBIGH STARKEY BILL ~~NO.~~ LRBC

ADDRESS DEPARTMENT OF COMPUTER SCIENCE, MSU DATE 1/17/85

WHOM DO YOU REPRESENT? MSU

SUPPORT _____ OPPOSE _____ AMEND _____

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Comments:

I strongly support the construction of the proposed Engineering/ Physical Science building. Our department need ~~ge~~ new facilities to attract additional faculty so that we can perform the instructional and research services expected of the department.

J. Denbigh Starkey

WITNESS STATEMENT

Name Howard Peaty Committee On LRB

Address 521 S 6th Ave. Bozeman Date 1/17

Representing MSU Support ✓

Bill No. _____ Oppose _____

Amend _____

AFTER TESTIFYING, PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Comments:

1. gave information concerning proposed building Project

2.

3.

4.

Itemize the main argument or points of your testimony. This will assist the committee secretary with her minutes.

FORM CS-34
1-83

WITNESS STATEMENT

Long Range Budget Committee

NAME W. G CHARACKLIS BILL NO.

ADDRESS 516 W. Cleveland Bozeman DATE 1/17/85

WHOM DO YOU REPRESENT? MSU

SUPPORT Yes OPPOSE AMEND

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Comments:

The Engineering / Physical Sciences Complex is necessary for maintaining the technological educational opportunities for Montana students and for establishing the technological base for ~~for~~ further economic development in the State.

WITNESS STATEMENT

Name Craig Roloff Committee On

Address Bozeman Date 1-17-81

Representing MSU Support

Bill No. Oppose

Amend

AFTER TESTIFYING, PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Comments:

1. Maintenance problems are not flashy projects to work with but they are essential to a healthy academic program.

2.

3.

4.

Itemize the main argument or points of your testimony. This will assist the committee secretary with her minutes.

FORM CS-34
1-83

WITNESS STATEMENT

NAME MIKE STOECKLE BILL NO. ENG. COMPLEX

ADDRESS 819½ S 6th Bozeman DATE 1/17/85

WHOM DO YOU REPRESENT? MSU Students

SUPPORT X OPPOSE _____ AMEND _____

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Comments:

1. STUDENTS at MSU CURRENTLY ENJOY A COMPETETIVE EDGE IN THE JOB MARKET. HOWEVER THERE IS A DANGER OF LOSING THAT EDGE
2. THE PRESENT FACILITIES DO NOT ALLOW US TO USE MODERN TEACHING TECHNIQUES SUCH AS COMPUTER SCIENCE LABS AND CLASSROOMS EQUIPED FOR COMPUTER DEMONSTRATIONS
3. THIS BUILDING IS THE 1st STEP TOWARDS ENSURING THAT MSU STUDENTS MAINTAIN THE LEVEL OF EDUCATION THEY CURRENTLY RECEIVE.

WITNESS STATEMENT

Name James R Welsh Committee On Long Range Building

Address College of AG MSE Date 1/17/85

Representing Ag Experiment Station Support ✓

Bill No. _____ Oppose _____

Amend _____

AFTER TESTIFYING, PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Comments:

1. Farm Shop Building, Post Agronomy Research farm — Services Human Health & Safety Problems — Cost $120,000

2.

3.

4.

Itemize the main argument or points of your testimony. This will assist the committee secretary with her minutes.

FORM CS-34
1-83

VISITORS' REGISTER

LONG-RANGE PLANNING SUBCOMMITTEE

BILL NO. EMC and MSU Capital Construction Program DATE JANUARY 17, 1985

SPONSOR

NAME (please print)	RESIDENCE	SUPPORT	OPPOSE
Richard W. Wyckler	MSLA	WMC	
Diane M. Hill	Bozeman	X	
Andy van Teylingen	"	✓	
PHIL HAUCK	Helena	✓	
Peg Halen	GF Falls	✓	
Neil Bucklew	Missoula	✓	
Tom O'Connell	Helena	✓	
Glen Leavitt	Dillon - WMC	✓	
Dr Robert Thomas	Dillon - WMC	✓	
Keith Rupert	Billings -	MSU	
Rod gen Foster	Helena	MSU	
Pete Story	SD 41	MSU	
Mike Spaeding	Bozeman	MSU	
Dwayne E. Dayton	Commissioner of Higher Education		
Phil Sheridan	University Teachers Union	X	
DAVID F. GIBSON	MSU	X	
Howard S Peavy	MSU	X	
Michelle S. Wing	ASMSU	X	
J. DENBIGH STARKEY	MSU	X	

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

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

VISITOR'S REGISTER

HOUSE LONG-RANGE PLANNING SUB COMMITTEE

BILL EMC and MSU Capital Construction Program

DATE JANUARY 17, 1985

SPONSOR

NAME	RESIDENCE	REPRESENTING	SUP-PORT	OP-POSE
James Rudolph	Bozeman	MSU Ag Expsta.	✓	
[illegible]	Bozeman	MSU	✓	
[illegible]	Bozeman	MSU	✓	

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

WHEN TESTIFYING PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

FORM CS-33

Long-Range Planning Subcommittee

Agenda

January 17, 1985

Room 420, 8:00 a.m.

I. Roll Call

II. Capital Construction Proposals - University System

Western Montana College

Dr. Robert Thomas, President

Montana State University

Dr. William Tietz, President
Craig Roloff, Administrative Services
Dr. J.R. Welsh, Agricultural Experiment Station

MQLEG:jt:LRPS 1-14-5