

STATE AND LOCAL

Facility will enhance research

A&M to get 'super' cyclotron

By KAREN BLOCH
Staff Writer

The Texas A&M superconducting cyclotron, scheduled to be operational in January 1987, will enable researchers to discover new nuclear phenomena, says Dr. Dave Youngblood, director of the University's Cyclotron Institute.

The cyclotron's magnet coil, a primary mechanism of the \$7.25 million project, began working July 11. The superconducting magnet has a field that is about three times stronger than that in A&M's existing cyclotron built in the 1960s. Also, the magnet uses less energy than traditional magnets because of a total

elimination of electrical resistance at low temperatures, Youngblood says.

Cyclotrons are used to accelerate atomic nuclei to almost the speed of light, enabling scientists to study the atom's behavior, he says. The new cyclotron will accelerate heavier atoms to faster speeds.

Only one superconducting cyclotron is operational now, but Youngblood says three others will begin operation at about the same time as A&M's.

Presently, he says, the cyclotron is used for "training doctoral students and delving in the basic workings of atoms."

Youngblood says that practical uses of the existing cyclotron include: cancer therapy, studying impurities in matter, studying the way plants live and studying bacteria.

He says with the help of the new cyclotron, researchers will be able to learn more about the way nature functions, nuclear behavior and other nuclear phenomena.

"We will use it (the superconducting cyclotron) to do basic research," he says. "We plan to primarily study the nucleus of an atom — try to understand what holds it together and what properties it has.

"We're moving into new research fields," Youngblood says. "Many

things we expect to learn will be wrong and we will learn other things we didn't expect.

"We expect to learn things about the state of nuclear matter, but with this type of research you don't know what you'll find until you get there."

Another year will be required for final assembly of the cyclotron's complex instrumentation and long, pipe-like beam lines through which subatomic particles are hurled and, Youngblood says, it will probably be 1987 before actual research can be done using the new facility.

Report: cash available if White runs for second term

Associated Press

AUSTIN — Gov. Mark White's campaign committee reported Tuesday "very substantial cash on hand" if he chooses to make a bid for a second term.

The report by White, the expected Democratic candidate for the 1986 governor's race, came after two potential Republican candidates, reported they had more than \$1 million each for the race.

White's report to the secretary of state showed \$231,797 in contributions and \$782,388 in expenditures for the six months ending June 30.

But the treasurer of the governor's committee said the funds probably had over \$500,000 available because of balances before the year began.

White, Sherrill say no pass, no play good for everybody

Associated Press

AUSTIN — Gov. Mark White, with the help of Texas A&M coach Jackie Sherrill, assured a group of Texas high school football coaches Tuesday that the no-pass, no-play rule was good for everybody.

"I think the ball is in my court," White told a news conference, accompanied by Sherrill. "I have been talking with these people. They have some problems. I'm going to try to be imaginative in seeing how we can accomplish what we agree needs to be accomplished — that is, to open the door of opportunity to our students."

While White and Sherrill held the news conference, the 20 coaches reported to have attended the closed door session in White's office disappeared down a back elevator.

Sherrill told reporters the coaches in the meeting did not want to talk with reporters "because this group is

not speaking for all coaches of Texas... they did not want to speak to the press until they had the whole feeling of their coaches' association."

Numerous Texas coaches and some school administrators have complained about the no-pass, no-play rule decreed by the State Board of Education. The rule says students must make passing grades in all subjects or they cannot take part in sports or other extracurricular activities.

The rule was upheld last week by the Texas Supreme Court.

"No one is against the theory of the rule, administrators and coaches both want the same thing," Sherrill told the news conference.

Sherrill said he was asked by White to gather a group of coaches to talk over their problems.

"I felt the coaches' needs need to be expressed," Sherrill said.

After the Supreme Court's ruling last week, there has been speculation the rule may cause problems for some of the state's top football teams. A six-week suspension in the middle of a season can effectively remove a player for the rest of the season.

White stressed that he continues to support the no-pass, no-play rule as a policy.

White denied there was any attempt to shorten the six-week suspension period, as the Senate had recommended during the recent regular session.

When asked what his specific recommendations were, White replied:

"I don't have any recommendations. If I had I would announce them."

A&M group improving business skills

By HADDON JOHNSTON
Reporter

The Texas A&M Center for Executive Development plans and executes a broad range of managerial-related seminars for groups and individuals in the business world and is committed to improving managerial talent.

Center director Robert H. Nelson says, "We try to get people ready for promotion by focusing on decisions and interests that persons in organizations above them would be concerned with."

The center also introduces new trends and techniques, and keeps abreast of new developments in areas related to business so that managers can be updated, Nelson says.

Three general management programs are offered by the CED in highly interactive classroom sessions that specialize in increasing managerial effectiveness of first-, second- and advanced-level managers.

Every year about 20 to 30 functional programs are offered with topic emphasis on related contemporary issues. Managerial programs, such as tax and utility economics seminars and micro-computer workshops, as well as industry-specific seminars, develop new awareness and knowledge of the managerial environment.

"We are making a very real effort to bring into our program people from manufacturing, the service industry and government," Nelson says. "We've had responses in every case."

About 25,000 companies, broken into 40 categories, constitute the CED mailing list. The CED staff chooses specific programs related to certain businesses and mails program brochures to these businesses accordingly.

"People are coming from all over the world for our program." — Robert H. Nelson, director of the Center for Executive Development.

"We select our mailings according to the list and send from 7,000 to 10,000 brochures for each program run," Nelson says. "That's about 400,000 to 500,000 mailed yearly."

Since the establishment of the center in 1953, the mailing list has grown significantly. CED staff members read The Wall Street Journal daily and record any managerial promotions listed in it.

Staff members mail congratulatory letters to everyone promoted and put each of their names on the CED mailing list, Nelson says.

"We are constantly cognizant of the need to put significant companies on the mailing list," he says. Mailouts and word-of-mouth by satisfied participants are our communication."

Nelson says that program curricula are modified in some way each year. A functional program may be run once and dropped and others may be run for years with modest changes, depending on what the program is, he says.

"We try to keep abreast of what current needs are," he says. "This year, for instance, we've introduced a number of new programs in the financial area."

CED programs currently are scheduled through Dec. 1985, but new opportunities such as in-house programs for corporations or programs developed specifically for managers of a

single company may arise and appear on the schedule, Nelson says.

No one on the CED staff instructs the seminars — the center employs faculty members of the A&M business school to teach the classes.

The center also brings in people from other universities, as well as business and industry executives, with seminars on industry-specific programs or senior management programs, Nelson says.

Each group, individual, or company must register for the seminars and pay the CED workshop fee. Day-long programs cost \$195, week-long programs are \$1,000. Two- and four-week seminars are \$2,500 and \$5,500, not including room and board.

The program has an international managerial program which lasts 12 months and costs \$14,000.

For many years the CED has been considered a regional center. However, as the University has grown and the administration has focused on becoming a world institution, the center has attracted international sponsorship, Nelson says.

"We are beginning to get some international recognition," he says. "People are coming from literally all over the world to our programs."

The opportunity for the center to bring together business people from all over the world is important in the long run for the business college and the University, Nelson says.

"We establish some very important relationships with companies, which could mean future support of some activity in the (business) college or University because they feel they have been well served," he says.

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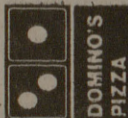
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