**Forecaster unveils high-tech tomorrow**

by Stephen Blue

OCEANSIDE - The high-tech future will bring us a 20-hour workweek by the end of this century, a large robotic work force and the end of cancer and nuclear war.

In the first of four lectures on the future co-sponsored by MiraCosta Community Services and MiraCosta Friends of the Humanities, Marvin Coley, a technological forecaster and founder of Forecasting International, Limited, gave a glimpse of tomorrow's world on Friday in the MiraCosta College gymnasium.

Coley, using data-based forecasting methods, has accurately predicted the revolution in Iran, the strikes in Poland, the 1973 Arab oil embargo and the 1980 Republican landslide victory.

He predicted that President Reagan will be re-elected easily, adding: "If you don't like the message, don't kill the messenger."

Coley, author of 10 books on the subject of technological forecasting, has given his expertise to U.S. government agencies, large American corporations and several international governments.

"Fusion, the combining of atoms, will be a major source of energy by 2010," he said. "It will be limited by relatively inexpensive oil prices."

"Every generation since 1900, he said, has added 10 years to its lifespan. By the year 2050, people will live to the ripe old age of 150 years, Coley said.

Bionic men and women are here now, he said, citing artificial hearts, kidneys, arms and hands as well as artificial blood.

"Already developed, too, is a nasal spray made from the pituitary gland that allows individuals to regain their long-term memory, he said. "All they have to do is put the nasal spray, he quipped."

Coley predicted a 32-hour work week by 1980 and a 20-hour work week by the year 2000. Woman will make gains as technology made sex-stereotyped jobs disappear, he said.

"Much of the work in the future will be done by robots he said. One robot, he said, does the work of six human workers and do it nine times better."

"Robots will revolutionize the work place but, in fact, will ultimately create more jobs than they take and still produce more for everybody, he said.

"Speaking of jobs, Coley said the future will be filled with new jobs that do not exist now, including robot and laser technicians. His advice for the future is simple: 'Get trained.'"
New speed bumps slow traffic

by Harold Strom

After trying other ways to curb speeding on campus, officials at Miramar College have decided to try the least liked but most effective method - speed bumps. Five speed bumps were placed around the campus perimeter road during Christmas vacation to keep the traffic within the posted 25 mph limit. The decision was prompted by two accidents in the past three months that were caused by speeding. Although no one was injured in either accident, there was some property damage said John Mullender, vice president of Business Services. The accidents, plus growing concern from the college's liability insurance carrier, persuaded the college's Safety Committee to recommend the installation of speed bumps. The bumps have been placed on One Barnard Drive opposite the tennis courts, near the Children's Center, before the crosswalk leading to student parking lot K, before the exit to staff parking lot K. A prominent warning sign was placed in front of the first bump on One Barnard Drive Mullender said. In the past, the college has tried numerous methods to control speeding, Mullender said. College officials have posted signs, distributed brochures to students and stopped speeding cars to remind the drivers of the limit. On one occasion, college officials asked the Oceanside Police Department to help patrol the privately owned road. None of these methods proved effective on an ongoing basis. "It is a given fact that no one likes speed bumps, but they have one thing in their favor - they work," Mullender said. "I can sympathize with those who have developed a genuine antipathy towards speed bumps, but the alternative could be a really serious accident - something that we all want to avoid." Memorial fund established

The Miramar College Foundation has established a memorial fund in the name of Donald C. Carr, who once was the top administrator at the community college. The fund will be used for foundation projects to enhance the college's instructional programs and to benefit students. Carr became the head of Oceanside- Carlsbad College (now Miramar College) just two years after the college was founded in 1934. Those wishing to give in the memory of Donald C. Carr Memorial Fund, Miramar College Foundation, One Barnard Dr., Oceanside 92056.
New Board President

Holloway for tights with schools

By Edward Karlsson

The MiraCosta College Governing Board recently elected a president who especially wants to work closely with students. He will be able to provide better educational goals to students.

Henry L. Holloway has represented Oceanside in the Governing Board since Dec. 6 he was nominated for the post of Governing Board president by out- going president Angela Holloway, who was unanimously elected by the seven-member board.

Holloway, 43, is a credit representa- tion at the MiraCosta College Simi- lars and has been with SDG&E for 15 years. He is from Lake Charles, La. and attended college at Stony Brook University in Stony Brook.

Holloway has three sons. The oldest is a paramedic and firefighter in Los Angeles, and the youngest is still in school.

Perhaps the most important thing that the Governing Board does does. Holloway said the board establishes school poli- icy, but, he said, "The state mandates much of the policy. But we still make the institu- tion survive, so the state has re- moved much of the board's powers."

The board can review much of the curriculum proposals, but he said there is no response by the state. It is an example of personal gain and for which a fee is charged.

He said that before any programs are implemented by Community Ser- vice College, the MiraCosta Governing Board gives the go-ahead.

Holloway expressed hopes for get- ting a lot accomplished this year, but he said, "The state is hampered by financial problems and uncertainty about the future, in the future toward education."

He became most emphatic when asked what are the greatest hopes for the future of the Governing Board, saying that he wants to see formal, not informal as in the past, communication that he wants to see formal, not informal as in the past, communication.

He said Saudi Arabia will be reluc- tantly to other energy sources, including solar, he said. The effect of this training is attested to by T-2, between the administration and the students, he said.

Convalescent students from the age of 20 to 69 with ailments from stroke, epilepsy, or at least a $200 credit. Those who haven't gone through this sort of ailment don't know the fear that grips one when his speech fails or his memory returns or his body muscles in the arm or fingers or legs don't work.

Gilbert works with these students training in the steps in adaptive movement. He teaches steps like the cross-crawl, centering, transfer of force and others applicable to adap- tive movement. These steps are basic in bowing, badminton, archery and tennis, as well as in everyday activity.

MiraCosta's rehabilitation students are coached by Cindy Whelchel, who is convalescing from a stroke. She has a war wound, Pauline Cotner, who had a stroke in 1982; Carol Wilkerson, who is convalescing from epilep- sy.

The effect of this training is attested to by Kelly. He says his high blood pres- sure was controlled in less than a year of adaptive movement.

The cost is $37 a semester. The sche- dule of classes is available at the MiraCosta office of rehabilitation, T-4.

Others in the cast include Lisa Marie Korn, Pam Northway, Walter Peter- son, Carol Wilkerson, Rich Krizner, Mark Janes, Martha Mace, Robin Engstrom, Mary-Sally Patty, Lex Copley, Franne Yanber, Pat Jennings and Della Olson.

Lynch said, "I'm certainly interested in the T-2, between the administration and the students, he said.

The rehabilitation program includes Aqua-X, a swimming class for those in a community service class, not truly a MiraCosta class, held at the pool at the end of Marshall Street in Oceanside. The class is $87 a semester. The sche- dule of classes is available at the MiraCosta office of rehabilitation, T-4.

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**S’no doubt ski class pays**

by Andy Mauro

OCEANSIDE — To an experienced skier, skiing means taking the easiest, shortest path down the hill.

The phrase conjures up an entirely different meaning for the novice skier standing on those two small skis, attempting his or her first trip down.

But coach Cliff Kinney, who has been teaching the ski class at MiraCosta in Oceanside for the last two seasons, says that the main challenge in instilling in the beginner the self-confidence necessary for tackling the slopes is warding off the anxiety that can bring the best skier to a grinding halt.

"Sure they’re a little intimidated when they first arrive,” Kinney said, “but after a time or two they're comfortable. We preach safety. The students are aware of their own limits. But every student who’s taken the class this season has been able to push his or her limits, ending up knowing how to ski much better than when they first enrolled.

It’s easy for Kinney to be enthusiastic about skiing. He just returned from a ski trip to Europe taken over the Christmas break with his wife and two children.

"We skied in Austria, Switzerland and Italy,” says Kinney.

But before a person can even begin thinking about exotic ski trips to far-away places, he or she must first be introduced to the basic skills that are needed in order to carry on down home instruction is needed.

The ski class at MiraCosta is a three-credit course for students who wish to take part in a research project which promises free evaluation and treatment for their sports injuries.

The program consists of six treatment visits to Dr. Reid Binder’s offices near Tri-City Hospital, and students are to write weekly reports to be entered into a national database.

"If The Chariot’s achievement level were as high as these three girls have been this semester, we’d be calling ourselves the L.A. Times by now.

SAYING A BEAK — Some of you may not have noticed, but the Spartan basketball team coached by Clete Adelman is playing an exciting brand of ball — fast breaks, slam dunk, alley-oop passes to the hoop, and a scrumpling pressure defense which has been forcing a lot of turnovers by opponents.

What’s more, the Spartans have been winning!

Athletic Director Tom Shields has allowed The Chariot to print a "a hook" coupon (located elsewhere on this page) for next week’s two home games. Wed. night’s game against Southwestern will be a good chance for "Buck" coupon (located elsewhere on this page) for next week’s two home games. Wed. night’s game against Southwestern will be a good chance for.

"It’s just a great way to learn," says Kinney, "and it’s also an opportunity for the student to continue on with a career in skiing.

Now Kinney is getting ready for next semester. He’s been busy helping a new student at a new training device called the Techni-ski. It’s a specially modified skateboard that also simulates the experience of snow skiing while on dry land.

"I don’t know if we’ll be able to get it up now," says Kinney, "but it sure looks intriguing."

Kinney invites anyone interested, beginner and expert alike, to sign up for the class and give it a try.

Ski club news by Dana Peters

How would brownies, cookies and ham help in an effort to ban the "snow." If you are in the MiraCosta Ski Club you know that two bake sales and the Christmas ham raffle raised money so the club can cut costs in the Feb. 3-5 ski trip to Big Bear.

"The money we have accumulated from the ham raffle and the sales of the club has been somewhat substantial," says Terry Engleman, president of the ski club.

"And every bit helps when you're on the average student’s budget.

Presently the club has 45 members, 25 of whom are very active. The club looks forward to increasing its membership and hopes to send at least one group to Tahoe this winter.

The Ski Club meets Wednesdays at 7:30 p.m. in Room T-10, the Health Services Conference room. Membership fees for the year are $5. Those interested in joining the ski club can contact advisor Bruce Stewart, dean of recreation at 757-2111 ext. 375, or call Terry Engleman at 433-3705.

P.E. classes: fitness and fun

by Andy Mauro

"There are simpathies who mis­take, for example, the body for the culture of the mind," Walt Whitman wrote.

If you're busy planning your course program for next semester, keep in mind the wide array of classes being offered by the Physical Education Department at MiraCosta.

But before you've completed your own activity course necessary for the Associate of Arts Degree, the variety of offerings next semester just might tempt you to continue on with another class.

After all, we’re learning more everyday about the close relationship between a healthy body and a healthy mind.

For those of you already determined to get your exercise and keep fit, you might as well do it on school time, utilize the school's athletic facilities and economy of offering a unit of credit as well.

And for students who really plan ahead, there can be advantage in the business and social world that accrue to looking at the top of the list to the sports favored by the socially elite.

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