

## New Student Association President

by Rhonda K. Methvin

It's the beginning of a new semester, in with the new and out with the old. Along with the new semester, comes the "new" Student Association (SA) led by Brian Ary.

In an interview with Brian he stated that this years Senate is made up of motivated, hard working students, who he believes can work together and do a good job. He believes that with a little patience and time that the apathetic atmosphere around campus can be changed.

As some of you know, last semester was a little "rocky" and troublesome for the Student Association (SA) as well as for the students. Brian believes that like himself, the new SA wants to put last semester behind them. Unfortunately, last semester tested the will power of many and was believed handled in the best way possible.

When asked what his goals for the semester are, he states that his "main goal is to finish the Student Association Center (SAC)." Ideas for completion include putting a hard wood dance floor in the auditorium, and adding carpeting, tables and chairs for the finishing touches. He hopes not to have to use student funds for this.

As for student activities, Brian encourages students to become involved in clubs and organizations. Students tend to get caught up in classes, grades, and studying and forget about the social aspects of college life. He encourages '49ers and states that the SA will try to provide more social functions for the students.

Office hours have been posted and the SA is ready to put their ideas, along with the student body's ideas, into action. Brian stated that a new constitution for the SA is going to be worked on and if all goes well it will be completed by the end of the year. If students are interested in helping write the new constitution contact one of the SA members. Brian encourages input from everyone, not only in the constitution, but on anything from the finishing of the SAC to '49ers. If you have any problems or concerns, contact any one of the Senators, they will be glad to help.

#### Election Results

On Septermber 9th elections for Student Association Senators were held. Below are the following results of the elections. 134 people showed up to cast their ballots.

NAME	BOX	PHONE
Robert Allinson	2673	
Kevin Bahe	2036	3387
Chris Buchwald	2625	4399
Roudy Burnett	2933	6182
Erin Carter	2145	6123
Bill Foley	2554	6269
Margaret Glass	2759	6213
Chris Heath	2942	6175
Scott Jackson	2353	6185
Alan Kerr	3512	1931
Laura Knops	3177	6145
Tom Kollmeyer	2345	3156
Liz Rasley	2777	2178
Lance Sparks	2824	6325
Kim Stewart	3413	6285
Jeanne Trusk	2265	2178
Pete Vigil		0968
Keith Winemiller	3695	4793
Ann Winkleman-		
Watts	2163	4471
Cathryn Wooldric	lge	
	2687	6151

Congradulations to all the newly elected Senators.

#### SA Committees

Constitution: Burnett, Trusk, Winemiller

Food: Foley, Kollmeyer, Rasley, Sparks

Campus Space: Kerr, Stewart, Winkleman-Watts, Wooldridge Investigative: Foley, Sparks, Vigil, Winemiller

Dance: Carten, Jackson, Knops,

Rasley Movie: Bahe, Carter, Glass, Knops Finance: Buckwald, Glasss, Heath,

Kerr Financial Aid Review: Allison.

Winkelman-Watts

Student Activity: Allinson, Burnett Heath, Kollmeyer Discipline: Bahe, Trusk Wooldridge

Club: Buchwald, Jackson, Stewart,

Vigil

Any questions about SA activities should be directed towards the specific committee responsible, if possible.

# First SA Meeting

The new Student Associaton (SA) Senate is in place and held its first meeting on Monday, September 14th in the SAC. A list of Senators and their numbers follow this article. Being the first meeting there were quiet a few matters to be taken care of. The first order of busdiness was the establishment of SA meeting times. The Senate will meet every other Monday evening at 8:15 in the SAC conference room. These meetings are open to the public and anyone may be recognized to speak. Anyone wishing to address the Senate is welcome. Brian Ary, (SA President) and Brian Voigt (SA Vice-President) stressed the use of parlimentary procedures during all meetings.

Dr. Etscorn addressed the Senate welcoming everyone back and congratulating the Senators. Etscorn suggested that this year's Senate try to set up a committe to help off campus renter's avoid problems with their deposits. He also suggested that the Constitution Committe (see list of committees and members following this article) set up subcommittees in order to get a new constitution written and workable as quickly as possible.

Ary followed Etscorn with his nominations for Supreme Court Justices Eric Jacobsen and Jay Cabrales were nominated and approved. Douglas Weitz and two alternates will be nominated at the next meeting.

Tracy Hathoot and Beth Lazas are the tresurer and secretary for this year.

Less routine business for the be-

#### SCHEDULE OF ATHLETIC EVENTS AT TECH;

At the Gym;	
September 26;	BIATHLON
September 27;	DUKE CITY MARATHON
September 30;	SAND DUNES RUN
October 2-4;	INVITATIONAL BASKETBALL TOURNAMENT
October 3;	BIATHLON TO LANGMUIR
October 4;	GREAT RIVER TOUR BIKE CLASSIC
October 6;	HOCKEY ROSTERS DUE
October 7;	VOLLEYBALL ROSTERS DUE
Call -5131 or s	top by the Gym for more details!

At the Golf Course;

September 27; LOS AMIGO'S GOLF TOURNEMENT Call -5335 or stop by the Pro Shop for more details!

on (SA) gining of a year came during two major

discussions. The first was presented by Ary in his request that the Secretary and Tresurer each be paid wages of \$4.25hr instead of the salary of instate tuition and fees. The Senate decided that the constitution committee should, on the basis of senate feelings write an amendment that the Senate may vote on addressing this topic. If such an amendment does pass the Senate, then it would go to a general student vote for ratification.

The second topic was brought up by Senator Kim Stewart concerning the movies shown to the students on the 4th and 11th of September. She stated that she had heresev proof that the movies were copies and that no money had been allocated for the movies from the film companies that it is legal for the SA to rent and show movies from. Ary and Voight both stated that they had shown illegal copies of the movies to the students. Stewart pointed out that they had, in showing these, committed a felony in the name of the SA, the students and New Mexico Tech since they, "in ef-fect showed bootleg copies of movies to a technically paying audience and in doing so have set up all of NMT for a law suit." Ary and Voight agreed to such accusations and stated that they were fully responsible for their actions. Clurrently there are rumors flying about everything from resignations to impeachment.

The next SA meeting is Monday September 28th at 8:15 pm in the SAC Conference Room. Hope to see everyone there for their input on all SA matters.

## **EDITORIAL**

by Rhonda K. Methvin Student Involvement

It is a reality of our social world that the only way changes in the human condition or society are made is through the determination and contributions of today's society. Many great leaders coloring the pages of history are credited as being solely responsible for social changes of their day when in fact there were numerous, lesser known individuals who helped build the backbone which supports this country today.

During the 1960's a kind of unity swept across the nation, and it was among the nations youths-college students in particular. At that time college campuses were not just sterile institutions of higher education. Along with being centers for "book" education the campuses were seed beds for thought and ideas, gardens for mental growth and stimulation. The generation that helped usher in the civil rights movements, equality of sexes, voting rights for 18 year olds reached these accomplishments only by working together and making things happen.

Today we seem to have lost this unity. Instead of working together toward common goals, we tend to work agains each other striving for such personal goals as power, money and success. Young people today are turning to the government and asking that large depersonalized institution to answer their questions for them. As a result of this people do not get involved. "Why make changes when everything is hunky-dorey" they say.

Here at New Mexico Institute of Mining and Technology the groups of people that work toward reforms are few in membership. Our students seem to be more concerned with graduating, getting a job and having their 2.5 children without considering the world they are working in and around. Taking care of our own little spheres is not enough. Sooner or later the rest of the world will demand your attention.

This year's Student Association, led by Brian Ary, has a positive outlook about the upcoming year. They geared up and ready to make changes in and around campus which influence you as a student of this istitute. But, they cannot accomplish this without the help of the student body. It is essential that you form opinions about the issues facing you and becoming involved in the decision making process. The difference between ingorance and apathy is "I don't know" and "I don't care." Both detour from the type of involvement required in order to promote competent decisions. At all costs find the time to get involved.

In this edition you will find a list of committees established by the Student Association, you will also find a list of some clubs and organizations around campus. The variety of clubs on campus offers a large selection of activities which will accomadate the different needs and interests of every individual.

Welcome back for a new semester. If you have any suggestions for Pay Dirt come by the office or send up a letter.

To use an old cliche, if you don't give your two cents worth how do you expect any change?



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# Letter to the Editor

Dear Paydirt,

It may be my imagination, or more likely I'm mistaken as usual, but it looks like I may be paying less for "student activities" this semester. 32 dollars isn't bad. I suppose I could eat for 2 weeks on 32 dollars, but next to the rest of the bills, I find it hard to mind that I'm handing such small change over to the student senate. That \$32 buys a lot of things, some of which I never ge any benefit from (clubs I don't join, movies I don't watch screen causes headaches), functions I don't attend, radio station I don't listen to, etc.) I do read Pay Dirt and go to the occasional dance, but the way I like to think of it, and perhaps your readers can take this view too, is that my meager 32 bucks goes to the Student Senate and other officials to do with as they please. This, I've found, provides a certain measure of entertainment, as we laugh at the antics of school politicians, some of whom are my friends, almost all of whom I know and respect as fellow students. Don't get me wrong, I'm not complaining, I have no right, because I didn't vote. I'm just saying that it's easier for me not to worry about what a governing body does with my hand-ful of bills. It's easier(and remember for me this means better)for me to toss my money in and forget about it, and let these yo-yo's screw each other and make fools out of themselves and read about it in the paper and laugh about it with my friends and go back to studying. It works for me, I feel much better about the whole business. Matt Jarpe

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Editor Typist Page Designer Advertising Manager Photographer Photographer Rhonda Methvin Liz Rasley Kim Stewart Keith Winemiller Lori Lesser Steve Ratts



September 25, 1987 Pay Dirt 3



TEXAS SENATE OKAYS BILL TO LET FANS SUE BOOSTERS

In the wake of the scandal at Southern Methodist U sno brogram tor a Conf. State senators last week approved a bill to let colleges and even football conferences sue boosters whose actions lead to NCAA sanctions.

SMU's Student Senate already has threatened to sue certain boosters for "diminishing the value" of SMU degrees.

And U.S. Rep. John Bryant (D-Tex) introduced a bill in Congress that would cut off federal funds to colleges at which under-the-table payments are made to campus athletes.

### NORTH CAROLINA AAT STUDENT GETS PRISON

In one of the few instances in which hazing resulted in a jail sentence, Superior Court Judge Peter Hairston sentenced Steven Jones, 22, to two years in prison for beating two Omega Psi Phi pledges on the head with a piece of wood.

Valparaiso U. in Indiana last week suspended Sigma Pi and halted all greek activities for a week in retaliation for an alleged sexual assault at Sigma Pi. "PRANK" BOMB KILLS STUDENT AT WESLEY

<u>Campus NewsNotes</u>

One student was killed and four other injured at the Dover, Del., count where, started a life in a corm' April 12.

Rumsey and McGee were charged with ye manslaughter.

LAW SCHOOL ENROLLMENTS DECLINE

The number of first-year law students fell by 1.5 Total law school enrollment fell by

.7 percent, to 123,277 students this year.



The 16th Annual Albuquerque International Balloon Fiesta begins next week. From October 3-11, the 77 acre launch site will host over 500 balloons, representing one-eighth of the 4,000 balloons worldwide, and more than 500,000 spectators. Spectacular mass ascensions will take place on the first weekend of the Fiesta(October 3 and 4) as well as the last weekend of the Fiesta(October 10 and 11). The 1st Annual "Balloon Glow" should be in launch position and illumination by 7:00 pm on Wednesday, October 7. On-site entertainment will include an Air Show, the US Navy "Leapfrogs," and the US Army "Golden Knights." Cancellation of events would be caused by precipitation, or winds over 15-20 mph.

The two types of balloons commonly flown today are the propanefired hot air balloons and gas balloons filled with helium. The balloons, or envelopes, are constructed of either polyester or a nylon fabric coated with polyurethane, to reduce porosity. The basket, or gondola, is made traditionally of wicker, but aluminum and synthetic materials are also used. Solar balloons are in still in the state of research and development.

## Balloon Fiesta Nears

Balloons stand 50 to 80 feet tall and generally have a capacity of 56,000 to 77,000 cubic feet of gas. To keep all that air hot a burner output ranging from 8 million to 22 million BTU/hr is required. At this rate of consumption, flight time of an average balloon is one or two hours, although flights have endured up to 24 hours with extra fuel. Most balloons carry between three to five people including the pilot. Distance of flight is dependent on fuel, wind velocity and patterns, but are generally on the order of 3 to 12 miles. Although hot air balloons have flown above 53 angles, or 53,000 feet, most do not exceed 2,000 feet above the ground.

Ballooning is not an inexpensive hobby. New balloons start around \$10,000 and custom made balloons can cost as much as \$30,000. In addition, pilots must be certified by the FAA.

The Fiesta will be held at the Balloon Fiesta Park between Paseo del Norte & Alameda 1/2 mile West of Washington Street, or just follow the traffic once you get to Albuquerque. There will be Tech vans going up so contact Student Services -5208 for the details.

FRS	DAY, OCTOBER 2, 1987	WEDN	ESDAY, OCTOBER 7, 1987
9:00em-8:00pm Pilot Registration,		QUALITY PONTIAC DAY	
	Holiday Inn Midtown	6:45em	Pilot Briefing
SATU	RDAY, OCTOBER 3, 1987	7:00	High School Band Performance
	CANON DAY		Seensored by KODAK
6:45am	Pilot Briefing	7:30em-10:00em	QUALITY PONTIAC
7:00am	Opening Ceremonies		Key Grab Contest
:15em	Eldorado High School Band	10:30am	Bob Sears Air Show
	Sponsored by KODAK		Sponsored by AMERICAN RV MART
1:15am	US Navy "Leapfrogs" Parachute Team	1:00pm-4:00pm	Picnic, Spanish Village,
:30em	CANON DAY MASS ASCENSION		State Fairgrounds
0:00mm	US Navy "Leopirogs" Parachule Team	THURSDAY, OCTOBER 8, 1987	
0:30mm	Bob Sears Air Show	6:45am	Pilot Briefing
-	Sponsored by AMERICAN RV MART	7:00-mm	Albuquerque High School Bank
:00pm	Balloon Fiesta Parade		Sponsored by KODAK
. 200	Sponsored by FOLEY'S (Site TBA)	7:30em £ 8:30em	
SUN	DAY, OCTOBER 4, 1987		SCHLITZ/STROHS/OLD MILWAUKEE
	COCA-COLA DAY	10.00	FLYING EVENTS
:45am	Pilot Briefing	10:30am	Bob Sears Air Show
:00em	Sunrise Prayer Service	Sponsored by AMERICAN RV MART	
:15am	Manzona High School Bank		AY, OCTOBER 9, 1987
	Sponsored by KODAK	6:45am	Pilot Briefing
:15am	US Navy "Leaptrogs" Parachute Team	7:00mm	Highland High School Band
:30am	COCA-COLA MASS ASCENSION	7:30	Sponsored by KODAK
0:00am	US Navy "Leaptrogs" Parachute Team	/:30em & 0:30em	CANON, COCA-COLA, KODAK, SCHLITZ/STROHS/OLD MILWAUKEE
0:30em	Bob Sears Air Show		FLYING EVENTS
	Sponsored by AMERICAN RV MART	10:30em	Bob Sears Air Show
:30pm	Bolloon Glow		Sponsored by AMERICAN RY MART
	Sponsored by MOUNTAIN BELL	SATUR	DAY, OCTOBER 10, 1987
	DAY, OCTOBER 5, 1987	AMERICAN RV MART DAY	
:45em	Pilot Briefing	4:45em	
:00em	West Mesa High School Bank	6:45am 7:00am	Pilot Briefing
	Sponsored by KODAK	/ Womm	Sandia High School Band
:30em & 8:30em	CANON, COCA-COLA, KODAK, SCHILITZ/STROHS/OLD MILWAUKEE	7:30.00	Sponsored by KODAK AMERICAN BY MART
	SCHILITZ/STROHS/OLD MILWAUKEE		MASS ASCENSION
0:30	Bob Sears Air Show	10:30em	Bob Sears Air Show
	Sponsored by AMERICAN BY MART		Sponsored by AMERICAN RV MART
TUES	DAY, OCTOBER 6, 1987	SUND	AY, OCTOBER 11, 1987
		4:45em	Pilot Briefing
	Pilot Briefing	7:00em	Ernie Pyle Middle School Band
	Rio Grande High School Bank Sponsored by KODAK		Sponsored by KODAK
	CANON, COCA-COLA, KODAK	7:30mm	FAREWELL MASS ASCENSION
	SCHLITZ/STROHS/OLD MILWAUKEE	10:30am	Bob Sears Air Show
	FLYING EVENTS	100000000	Sponsored by AMERICAN RY MART
0:30em	Bob Sears Air Show	1000	
	Sponsored by AMERICAN BY MART	01	17 Albuquerque internetional Balloon Fresie. Irque Balloon Freste, Balloon Freste, The Bug One

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See Page 8



New Mexico Tech Board of Regents

## Meets

IO - Enrollment at New Mexico Tech is up by 18 percent over last year, New Mexico Tech President Laurence H. Lattman informed the Board of Regents August 20. Much of the increase is in the areas of physics, geoscience, and computer science.

The largest number of new faculty appointments in Tech's history was approved by the Board of Regents. New faculty members are:

Dr. Frederick E. Beck, assistant professor of petroleum engineering

Dr. Robert S. Bowman, assistant professor of hydrology and research

hydrologist Dr. Wen-Ben-Jone, assistant professor of computer science

Dr. Hee Young Lee, assistant professor of materials and metallurgical engineering

Dr. Robert L. Lee, assistant professor of petroleum engineering

Dr Neal B. Nagel, assistant professor of mining engineering

Dr. Kevin O'Connor, assistant professor of geological engineering

Dr. Clinton P. Richardson, assistant professor of environmental engineering

Dr. William Rison, assistant professor of physics and research physicist Dr. James Ruppert, assistant

professor of English Dr. Steve Schaffer, assistant pro-

fessor of mathematics Dr. Andrew H. L. Sung, assistant professor of computuer science Newly-appointed

professional staff members were introduced to the Board of Regents. They were: Joyce Aguilar, registrar; Patricia P. Garduno, assistnat director of personnel; J. Phillip McLain, interim director of the Terminal Effects Research and Analysis group (TERA); Rudy Correa, TERA personnel officer; Bette Chavez-Holcomb, coordinator of academic advising and minority programs; Michael R. Martinez, affirmative action officer; Dr. Dan Lopez, associate director for administration and finance for TERA; Joaquin Garcia. graphic artist/photographer; and Charles Vane, bookstore manger.

The Regents approved Dr. Spencer Wilson's appointmnet as chairman of the Humanities Department. Wilson, an historian, has been with Tech since 1966 and is president of the Historical Society of New Mexico. Dr Kazem Taghva, associate professor of computer science, has been granted leave of absence.

The Regents verified a telephone poll giving Tech officials permission to purchase land from the Bureau of Land Mangement. In another action, the Board received and approved a financial summary for the past fiscal year.

The Board of Regents approvaed a rolling five-year plan setting priorities for campus improvements. PriSeptember 25, 1987 Pay Dirt 5

orities are: a new library building, to be located at the corner of Leroy and Bullock Streets; renovations to the old library building; renovation of Wells and Weir Halls and Workman Center; addition of a natatorium to the existing Swim Center; and addition of recreational facilities.

In support of the first priority of the list, the Regents gave the New Mexico Tech administration the goahead to request funds for a new library from the state's Commission on Higher Education. If CHE approval is granted, the request must next be submitted to the state legislature.

In another action, the Regents approved three proposed construcion projects on the Tech campus. They are: exterior improvements to Baca-Hall, upgrading of campus sidewalks, and consruction of an amphitheater for student recreatio;nal purposes. The amphitheater would be located near the pro shop and face M Mountain, directing sound toward the mountain and away from town.

The Board of Regents approved a bid from Summit Electric for upgrading the campus electical system. In addition, the Board granted Tech officials formal permission to request bids for the DEC 20 computer system, which has recently been replaced by a more modern system.

# Harlan J. Weiss, MD

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### Tech Purchases 8000 Acres

IO - New Mexico Tech has purchased over 8000 acres of land from the federal Bureau of Land Management to add to its research facilities. Tech

Tech President Laurence H. Lattman presented a check for \$857,751 to two representatives of the BLM: H. James Fox, district manager, and Harlen Smith, area manager. Under a 1986 congressional bill, the BLM was allowed to sell the land to Tech for "fair market value." Lattman, Fox, and Smith emphasized that they were pleased with the outcome.

The land, which is located to the north and west of Socorro Peak, will be used for New Mexico Tech's Terminal Effects Research and Analysis (TERA) group. W. Dennis Peterson, New Mexico Tech's Vice-President for Administration and Finance, noted that construction and research on the land are significant for the economic development of Socorro. "We have recently completed \$1.5 million of construction for Honeywell, and we have a five year research contract with them for \$1.5 million a year," he said. "Honeywell employs four people directly, and TERA employs a 25-person crew through contracts with Honeywell. We have \$2.5 million worth of construction underway now for General Defense, we have a contract with Los Alamos National Laboratory to build a \$1.5 million sled track, and we have a five year contract with Aerojet for \$1.5 million per year."

Lattman particularly noted, "Previously patented minig and grazing rights to the land were preserved. In particular, New Mexico Tech thanks two ranchers with grazing rights, Zeke Armijo and the late Allie Strozzi, for their cooperation." Lattman addded that an archaeological survey had been carried out in accordance with BLM regulations, and the few sites found were being protected.



U.S. maintains the disaster was catastrophic.

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September 25, 1987 Pay Dirt 7

### CETR Wins Contract

IO - The Center for Explosives Technology Research at New Mexico Tech has been awarded a \$75,000 contract from the Department of Energy. CETR is one of the five Centers of Technical Excellence created by the State of New Mexico.

The project will investigate the potential for using a process developed at CETR, called shock synthesis, to create ceramic materials that could be used in mobile armor applications.

Ceramics, with their relatively low cost and high hardness, would be ideal for use as mobile armor if they could be produced in large enough slabs.

Conventional methods of fabricating ceramics require the use of binders, which lower the hardness of the material. Shock synthesis uses a shock wave generated by an explosion to compress and at the same time chemically bind together powders using little or even no binder materials.

According to principal investigator Per-Anders Persson, the aim of the experiments is to demonstrate the ability of shock synthesis to produce test discs of a given size. The test discs will be handed over to the Defense Advanced Research Projects Agency for further testing.

# **IN SEARCH OF.** . . 49ers 1987 Preview

by Julie Dutcher

Every fall, just as college life is getting boring and routine, along comes '49ers. This year, '49ers starts o Thursday, October 8th with the traditional Powderpuff game. The BIG game, where the upperclass women challenge the freshmen women to a "friendly" game of flag football, is scheduled to begin at 5:15pm on the athletic field. Following the game, a movie-Predator is tenatively scheduled-will be shown in the SAC. There will also be a party (complete with bon fire) at the Waterbed Factory with live music by Southern Rail. Beer will be available, but you must have a Tea Card to be served. Tea Cards are on sale from 11am - 1 pm Monday through Friday in the SUB until September 30. The cost \$5.00, and you must have an ID (21 or over kind of ID !!) to be served by the beer truck. A Tea Card is for the duration of '49ers, and you will also receive

a plastic keepsake mug when you get your first beer.

Friday's festivities begin at noon at Macey Center. According to '49ers chairman Marlon McDougall, the beer truck will be there, and luch will be available. Activities will range from a team quarters competition to a tug of war. There will also be wet t-shirt and wet shorts contests as well as Mr. Big Enchilada/Ms. Hot Tamale contests. Casino Night will start off the evening in the Student Activity Center, followed by the Can-Can dance. Outland will be playing from 9 -1, and according to '49ers co-chairman Greg Miller.

On Saturday, the annual parade commences at 11 am. It ends at the Plaza, by the Capitol Bar, and the day's festivities will take place there. From 12 - 4, Sidekicks will provide live music, and throughout the day, food will be for sale from various clubs. The beer truck will once again be present. Contest to be held include beer chugging, jalepeno eating, pie eating, and a chile cook-off. That evenig, to wind down '49ers, Sassy Jones will play from 9 - 1 in the SAC.

Throughout the celebration, guys and girls from the Bordello, headed by Madame Barbara Bartlett, will be dressed up and selling kisses of various kinds. Friday night, they will sell their garters to the highest bidder. The lucky guy (or girl) then gets to go up on stage and remove the garter from her (or his) leg to the sounds of cheering-and leering-audience.

'49ers is a great weekend for breaking up the monotony of school, and it's a fun time for all. If you are interested in helping and planning '49ers or becoming a part of the '49ers activities, contact Marlon McDougall.See you there!!



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