



# SLAC BEAM LINE

Special Issue

September 30, 1974

## Family Day At SLAC October 12

### Editor's Note

This special issue of the *SLAC Beam Line* has two purposes. The first purpose is to announce that a *FAMILY DAY* will be held at SLAC on Saturday, October 12, and to describe some of the activities, exhibits, and so on that your family might enjoy participating in on that day. The *FAMILY DAY* program is being planned by an *ad hoc* committee of 24 SLAC people from all parts of the laboratory, with Charley Kruse (SLAC Ext. 2441) as Chairman. The committee has not yet worked out all of the specific details that will be needed for a complete program, and for that reason it may turn out that some of the information contained in this issue of the *Beam Line* is either wrong or not complete enough to let you firmly plan your *FAMILY DAY* at SLAC. But stay loose, because the committee will soon send out to everyone at SLAC another piece of paper that will give a complete and accurate description.

To get the job done well, the committee will also need some volunteer help (usually for an hour or so from each volunteer) in such tasks as running Carnival games, serving food, and several others. The volunteer needs are summarized on the back page of this *Beam Line*. Offering your help where you think you might be useful will be an important contribution to making *FAMILY DAY* more enjoyable for everyone.

The second purpose of this *Beam Line* special issue is to report on the bicycle and running races that were held during the August 29th "Sports Spectacular" at SLAC. This race program was organized by Ken Moore, who has also agreed to mastermind a similar set of bike and running races for the coming *FAMILY DAY* program. We

mention Ken here because we think his efforts have meant a great deal to SLAC. Not only does he organize these very popular racing programs, and write up good descriptions of them, and get good photographs of them, but he also manages somehow to *run* in the races, too. (And if you can beat his time of 23 minutes and 28 seconds for 3.8 miles your name must be Divita, Gallegos, Putallaz, Mason, or Newmeyer--but not 994 other people at SLAC.) Thanks, Ken. We're glad you're here.

--Bill Kirk

### In This Issue

<i>FAMILY DAY</i> Information	p. 1, 2, 5, 6
Bike and running races	p. 3, 4

The *FAMILY DAY* photographs in this issue were taken during the 1971 event by Walter Zawojski.



## FOOD & DRINK

Soft drinks and beer will be available throughout the day on October 12th. The beer will cost 10¢ a glass, but everything else (including all the food) will be free. The present plan is to serve food from

11:30 A.M. to 2:30 P.M.

and to have the following items on the menu:

Hamburgers  
Hot Dogs  
Potato Salad  
Potato Chips  
Ice Cream

Willie Roberts (SLAC Ext. 2433) will be organizing the food service, and he will need some help from volunteer servers who would be willing to work a one-hour shift at the food tables. Please call Willie if you can help out.



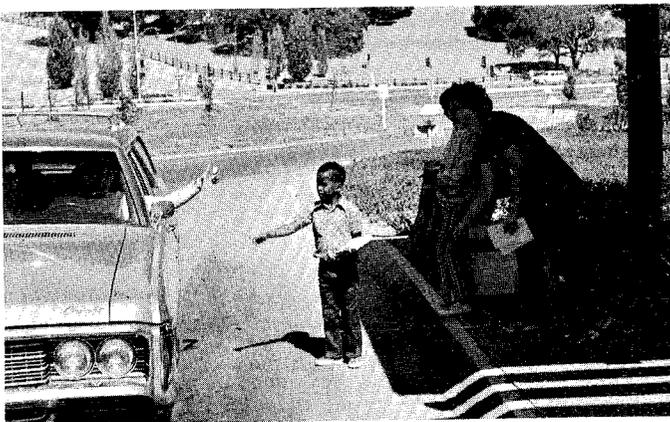
## SPORTS & GAMES

### Carnival Games

As a particular attraction for children (of all ages), the plans for *FAMILY DAY* include such Carnival games as

Ring Toss  
Dart Balloons  
Fish Pond  
Ball Bingo

Prizes will be awarded to winners, and each child will be given 5 free Carnival tickets as he arrives at SLAC's main entrance. Extra tickets will be on sale, at 5¢ each, at a ticket booth located in the Cafeteria-Auditorium Breezeway. Volunteers will be needed to help operate the games, probably on one-hour shifts. This is a job that some of the teen-age members of SLAC families might enjoy doing. If you want to volunteer your services or those of other members of your family, please phone Sharon Jensen (SLAC Ext. 2266), who is organizing these Carnival games.



Don't forget free tickets for kids at the gate.

### Bicycle and Running Races

The "track" for the bike and foot races will be the Loop Road that circles around the main campus buildings at SLAC. If enough riders and runners enter, the following four races will be held:

- 10:30 *Bike Race #1, 2 loops or 1.6 miles, for riders 12 years old and younger*
- 10:45 *Bike Race #2, 10 loops or 8 miles, for riders of all ages and sexes*
- 11:15 *Foot Race #1, 1 loop or 0.8 miles, for runners 12 years old and younger*
- 11:30 *Foot Race #2, 5 loops or 4 miles, for runners of all ages and sexes*

These races will be organized by Ken Moore (SLAC Ext. 2371), who will need some help from SLAC people in two different ways. First, if you or any of the members of your family plan to enter any of these races, please tell Ken about it as soon as possible. Second, Ken will need about a dozen volunteers to control the flow of automobile traffic around the Loop Road while the races are being held. Please call Ken if you are willing to be a volunteer traffic controller.

### Other Sports

There will be equipment and space available during *FAMILY DAY* for

Ping Pong  
Volleyball  
Softball

The specific locations for Ping Pong and Volleyball will be announced later. Softball will be played on the (only) large grassy area at SLAC, between the A&E Building and the Cafeteria.

# ANNUAL SPORTS SPECTACULAR AT SLAC ON AUGUST 29

(Story by Ken Moore. Photos by Joe Faust and Ken Moore.)

This year's *Sports Spectacular* was without a doubt the best of the last three held at SLAC.

## THE BICYCLE RACE

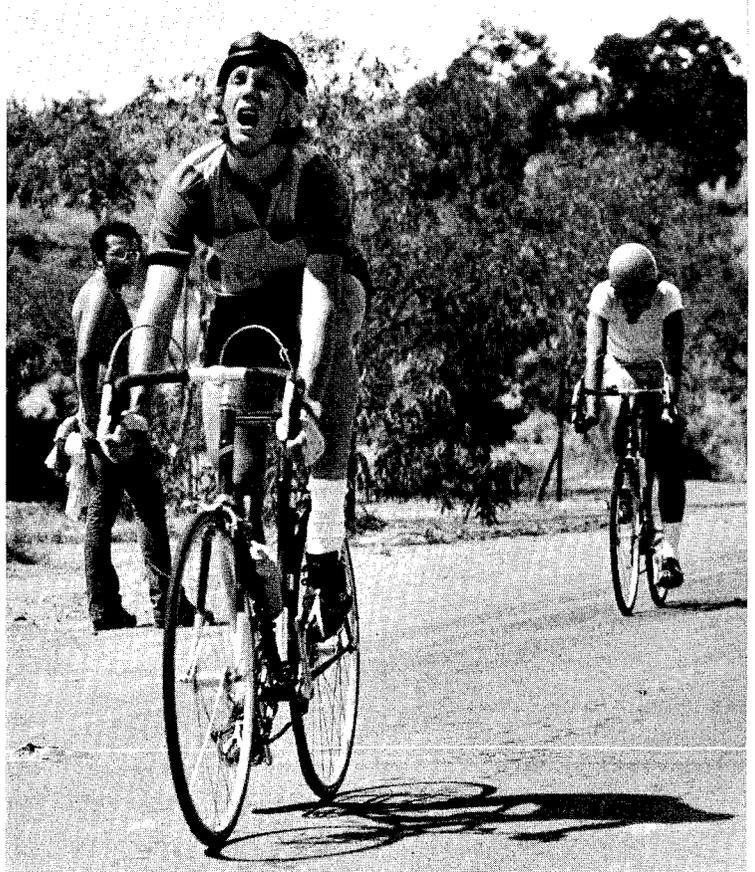
The bicyclists turned out in force to put on a thrilling race for the spectators gathered at Sector 30. Thirteen riders went off in a massed start, and no fewer than seven of them crossed the finish line in less than last year's winning time of 21 minutes and 26 seconds. Last year's winner, Dave Ugkla, was nipped at the tape by David Faust (Joe Faust's son) by a margin of only five yards after 7.6 miles of high-speed peddling. Both were timed in 19:35. The order of finish and the riders' times are given below. Ruth Stroud had the misfortune of making a wrong turn at Sector 30 and lost about 3 minutes getting back in the race. Tough luck, Ruth, but you'll get 'em next year!



Dave Coward (left) and Steve Hopkins kick it into high coming out of the turn at the west end of the Klystron Gallery.



Ken Moore presents the winner's trophy to David Faust.



David Faust roars across the Finish Line with Dave Ugkla a scant five yards behind. Both recorded the excellent time of 19 minutes and 35 seconds.

### How They Finished

1. David Faust	19:35
2. Dave Ugkla	19:35
3. Skip Stritter	19:44
4. Don Burwell	19:46
5. Dave Coward	19:49
6. Steve Hopkins	20:11
7. Predag Cvitanovic	20:24
8. Martin Berndt	21:49
9. Carl Farrell	22:45
10. Rich Fall	22:47
11. John Zolnowsky	24:39
12. Ruth Stroud	25:40
13. Dan Harrah (not recorded)	

## THE LONG DISTANCE RUN

The 3.8 mile run was won by Bill Divita in the fine time of 21 minutes and 43 seconds. Bill is the third SLAC runner who has broken 22 minutes for this event. The order of finish and the runners' times are given below. The most improved runner in the race was Jeff Newmeyer, whose 23:04 was a remarkable 3:17 faster than his 1973 time. Senior runner Charley Hoard managed to chop 1:02 off his time of last year and almost broke the 30-minute barrier. A terrific run, Charley. You'll make it next year.

Our sincere thanks to everyone who helped in staging these events. We look forward to continuing the *SLAC Sports Spectacular* next year.

*The field sets out on the 3.8 mile run. After the first 100 yards, it all seems easy. Hang in there, men!*



Winner  
Bill  
Divita  
with the  
trophy &  
a smile  
to match



Fred Hill (right) did a brisk business at the "Koolit Lounge."

### How They Finished

1. Bill Divita	21:43
2. Alex Gallegos	22:24
3. Gerard Putallaz	22:42
4. Tony Mason	22:59
5. Jeff Newmeyer	23:04
6. Ken Moore	23:28
7. Rob Quick	24:01
8. Joe Kiskis	24:31
9. Alan Schmierer	24:32
10. Bill Dawkins	25:32
11. John Alcorn	25:36
12. Justino Escalera	25:38
13. Dave Wright	26:14
14. Mike Gravina	26:47
15. Mel Rubin	29:55
16. Charlie Hoard	30:12
17. Charles Granieri	33:24



Old folks Charlie Hoard's pulse is checked by Nurse Joan Gardner after he finished the long 3.8 mile run.

## TOURS & EXHIBITS

### TWO KINDS OF BUS TOURS

#### 1. Short General Tour

For those interested in a quick, general look at SLAC, there will be a 30-minute-long, two-stop bus tour that will proceed as follows: Departing from the SLAC entrance area with a Tour Guide, the bus will go to the Klystron Gallery (about 10 minutes) to see the accelerator, and will then go to the Survey Tower for a general overview of the Research Area (about 15 minutes). These short tours will leave the SLAC entrance area at the following times:

11:00, 11:30, 1:00, 1:30, 3:00

#### 2. Longer Research Area Tour

There will also be longer (about 60 minutes) tours that will take visitors to the following facilities in the Research Yard:

Stanford Synchrotron Radiation Project  
Two-Meter Streamer Chamber Facility  
82-Inch Hydrogen Bubble Chamber Museum  
Large Aperture Solenoid Spectrometer

There will be Guides present at each of these facilities to describe them to the visitors and to answer questions. These longer tours will also depart from the SLAC entrance area, at the following times:

12:00, 2:00

At the end of each tour, whether it be the *Short* or *Longer* ones, the bus will take the touring party back to the original starting point near SLAC's main entrance.

### YOUR OWN TOURS

Those who decide to look around SLAC by private automobile or by walking are welcome to do so. If you do choose this method, here is some additional information that may be useful:

#### Inside The Radiation Fence

All of the places that were mentioned in the description of the *Bus Tours* can also be visited by private car. Please remember that taking visitors to any of the facilities within the radiation fence means that someone in the visiting group must have

### A RADIATION BADGE

The simplest way to handle this would be for each SLAC person to bring his own personal radiation monitor (it's the "wallet dosimeter" with your picture on it for most SLAC people) with him when he or she comes to *FAMILY DAY*. If you forget to do that, you can probably still get a temporary radiation badge from the Guard at the Sector 30 Gatehouse, but it would certainly save a lot of delay and possible hassling if you have your own dosimeter or badge.

#### Other Places To Visit

There are several other areas at SLAC that will be manned with Guides and would welcome drop-in visitors:

Central Control Room (CCR)  
Heavy Assembly Building  
Fire Department  
Data Analysis (in Central Lab)  
Computation Center

and perhaps others that will be announced later. The Computation Center should be especially interesting because they plan to have several scope terminals set up for playing computer games such as *Space War*, and also because they expect to have a limited number of Snoopy Calendars (printed by computer) to give away to visitors. Guided tours through the new Triplex computer system at the Computation Center will begin *every 30 minutes*, starting at about 10 A.M. The other facilities mentioned above will simply be open houses, with Guides available, but no specific starting times for visits.



#### A Word On Safety

If you plan to do your own touring around the SLAC site on *FAMILY DAY*, please be sure to keep a sharp eye out for things that may be hazardous to yourself and your family. This is especially important if you have children with you, and also if you are visiting areas inside the radiation fence. The main hazards at SLAC are pretty much the same as anywhere else--potential injury from falls or from electrical devices--but it is the nature of a large physics laboratory to have a lot of big, interesting-looking but unfamiliar equipment; and pits or trenches in odd places; and temporary set-ups that are being torn down or built up or moved somewhere. So it's worth a little extra thought to be cautious about where you go. And if it seems doubtful to you, the best decision is "Don't."

## MUSIC, TALK, MOVIES

## ARTS, CRAFTS &amp; HOBBIES

Guitars and Pipers

The Prince Charles Bagpipe Band from San Francisco will be on hand on *FAMILY DAY* to entertain with their heavy decibels. The Pipe Band will give a concert in the Auditorium at noon, and they will also play while strolling about the Cafeteria area. Several guitar players from SLAC will also be making the rounds, playing and singing, and hoping that others will join in. If you have an old ax in the closet at home that you can blow even half-decently, here's your chance. Just tote it right out to *FAMILY DAY* and blow up a storm.

## AUDITORIUM SCHEDULE

During *FAMILY DAY* there will be an almost continuous program of events going on in the Auditorium from 10:00 A.M. until about 5 P.M. There will be movies (about SLAC and also about several general-interest topics), four talks given on a popular level by SLAC and Stanford scientists on interesting aspects of the laboratory's work, and a concert by a bagpipe band. So the Auditorium should be a good place for those who either (a) are interested in the event, or (b) just want to rest their weary feet--or weary children--for awhile. Here's the schedule:

- 10:00 Movie about SLAC
- 10:30 Movie: "Motor Mania"
- 11:00 Movie: "Brighton Run"
- 11:30 Travel Movie
- 12:00 Concert  
Prince Charles Bagpipe Band
- 12:30 Movie about SLAC (rerun)
- 1:00 Popular Talk  
Sid Drell: What Have We Learned  
From SLAC's Work?
- 1:30 Popular Talk  
Burt Richter: Colliding-Beam  
Storage Rings
- 2:00 Movie: "Red Balloon"
- 2:30 Movie: "Loon's Necklace"
- 3:00 Popular Talk  
Greg Loew: The SLAC Accelerator
- 3:30 Popular Talk  
Herm Winick: The Stanford Synchro-  
tron Radiation Project
- 4:00 Movie: "Eye of the Beholder"
- 4:30 Travel Movie

An exhibition of the works of a number of SLAC artists, craftsmen and hobbyists will be on display in the Cafeteria. The exhibition is being organized by Shirley Livengood (Ext. 2338) and she is eager to hear from anyone at SLAC who may be interested in displaying work of this kind--painting, photography, model-building, ceramics, jewelry--whatever your thing is. Most of us know a few people at SLAC who are so good that they are practically professionals, but we hope this fact won't seem too discouraging to those who feel somewhat amateurish about their own work. There's room for different strokes from different folks, so why not give Shirley a call and discuss it with her? She would appreciate hearing from prospective exhibitors no later than October 2nd.

## FAMILY DAY:

## A QUICK SUMMARY

When: Saturday, October 12, 10:00 to 5:00.

Food: 11:30 to 2:30, free.

Drink: All day, free soft drinks, 10¢ beer.

See & Hear: Talks, movies, music, exhibits.

Tour: By Bus (short, long), by car, by foot.

Visit: Accelerator, Research Area, others.

Play: Carnival, Softball, Volleyball, Ping.

Enter: Bike and foot races.

(Call Ken Moore, Ext. 2371)

Arts, crafts, hobby exhibits.

(Call Shirley Livengood Ext. 2388)

Help: Serve food for an hour.

(Call Willie Roberts, Ext. 2433)

Run Carnival game for an hour.

(Call Sharon Jensen, Ext. 2266)

Control traffic during races.

(Call Ken Moore, Ext. 2371)

Bring: Family, wallet dosimeter, 50¢ for beer.

Ask: FAMILY DAY Committee.

(Chairman: Charley Kruse, Ext. 2441)

Enjoy: Seeing, hearing, running, playing,  
eating, drinking, resting, being.

SLAC Beam Line (Bin 80)  
Stanford Linear Accelerator Center  
Stanford University  
P.O. Box 4349  
Stanford, California 94305

~~ROSSINI, BRUNO~~

~~SLAC MAIL BIN 20~~