

AMERICAN ASSOCIATION  
OF  
PHYSICS TEACHERS

Joint Northern California/Nevada  
and Southern California  
Spring Meeting

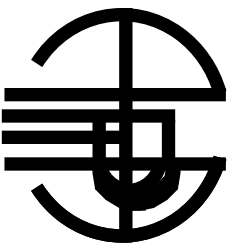
Friday, April 22          Saturday, April 23  
Palo Alto, California

Local Hosts:  
Clarence Bakkan  
and Lettie Weinmann  
Gunn High School  
(415) 354-8245

Mary Moggge, Editor  
So. Cal. Section AAPT  
Physics Department  
Cal Poly Pomona  
Pomona, CA 91768

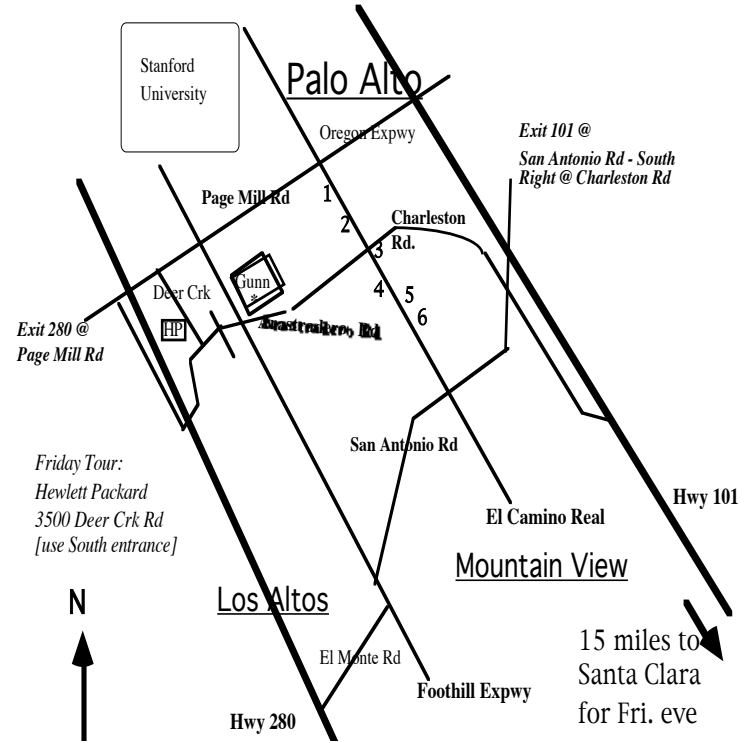
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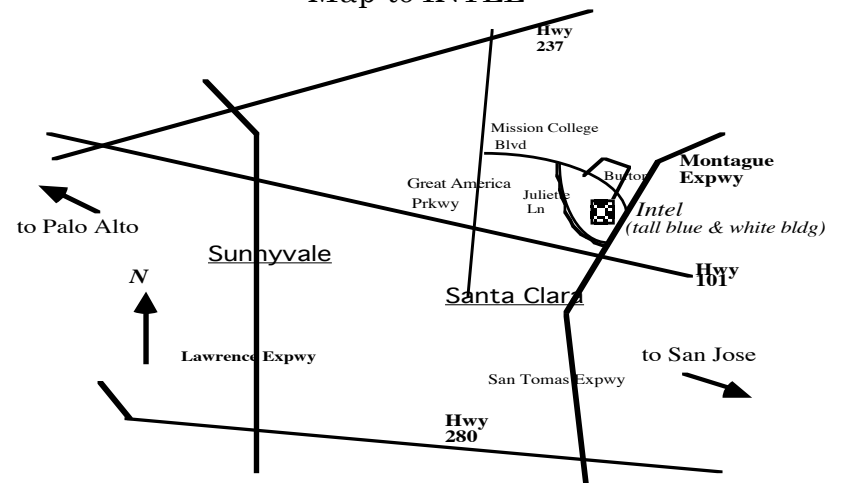




Gunn High School  
780 Arastradero Road, Palo Alto



Map to INTEL



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## Information

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**Lunch:** Box lunches include a sandwich, cookie, chips, and a drink. Choices are #1. roast beef - \$6, #2. turkey - \$6, #3. ham - \$6, and #4. vegetarian - \$5.50. See **Reservations**. Some lunches may be ordered at registration Saturday morning.

### Reservations:

Leave a message for "AAPT" at **415-354-8246 (day)** or **415-493-2356 (eve)** or **send the info**. Be specific: **name, tel. no., lunch choice #, which workshop, and/or Fri. pm talks and tours**. To pay in advance for lunch &/or workshop, make a single check to AAPT and send to Lettie Weinmann, Gunn High School, 780 Arastradero Road, Palo Alto, 94306.

### SLAC Particle Workshop: June 20-July 1

\$700 stipend. Apply by April 25 by calling 415-926-3826.

**American Astronomical Society** has a new program, similar to PTRA, for workshop leadership in astronomy. Apply by April 10. For information call 512-471-6503 or e-mail [aas@astro.as.utexas.edu](mailto:aas@astro.as.utexas.edu).

### Jobs: Bring notices or requests.

Full-time physics position available at Foothill Community College, Los Altos Hill, 94022.

**National AAPT Meeting:** University of Notre Dame, August 8-13.

**Hewitt's Bloopers:** Tapes will be available for \$10.  
Profits go to the Northern California/Nevada Section treasury.

## Special Thanks to

Erica Glessing, Intel

Jim Vanides and Kent Carey, Hewlett-Packard  
The International Society for Optical Engineering  
and Xerox

for their efforts and financial support for this meeting.

## Motels

There are dozens of motels along El Camino Real within one or two kilometers of Gunn High School. This partial list gives rates for single occupancy.

- |   |   |
|---|---|
| 1. <b>Creekside Inn (Best Western)</b><br>3400 El Camino Real<br>Palo Alto, 94306<br>415-493-2411<br>\$75-85                        | 4. <b>Days Inn</b><br>4238 El Camino Real<br>Palo Alto 94306<br>493-4222<br>\$50-65       |
| 2. <b>Town House Motel</b><br>4164 El Camino Real<br>Palo Alto, 94306<br>415-493-4492<br>\$36-42<br>(ask for <i>Stanford Rate</i> ) | 5. <b>Oak Motel</b><br>4279 El Camino Real<br>Palo Alto, 94306<br>415-493-6644<br>\$34-42 |
| 3. <b>Hyatt Rickey's</b><br>4219 El Camino Real<br>Palo Alto, 94306<br>415-493-8000<br>\$115-117                                    | 6. <b>Motel 6</b><br>4301 El Camino Real<br>Palo Alto, 94306<br>415-949-0833<br>\$38      |



# AMERICAN ASSOCIATION OF PHYSICS TEACHERS

## Joint Northern California/Nevada and Southern California Spring Meeting

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### Friday, April 22

#### Gunn High School Science Bldg.

##### 8:00 Lightwave Communication Workshop

You will receive \$60 worth of equipment (support by Intel, Hewlett-Packard, and The International Society for Optical Engineering). \$5 pre-registration fee.

Limited to first 30 registrants. See **Reservations.**

OR **Electrostatics Workshop** \$30 if district pays, \$12 if you pay. \$5 pre-registration fee. See **Reservations.**

#### Hewlett-Packard Research Center

3500 Deer Creek Road - S. Entrance

12:15 Lunch - "Deer Creek Inn", Hewlett-Packard

1:15 **Tours of H-P Semiconductor Research Labs** Jack Wenstrand, *et al*

2:30 **Mass Spectrometry of Biomolecules, or Weighing an Elephant on a Bathroom Scale**, Kent Henry, H-P

3:15 **Superconductivity & SQUIDs**, Jack Kingston, Xerox

4:15 **Seeing Atoms, Touching Atoms, Moving Atoms: The Wonders of Scanning Tunneling Microscopy**  
David Beegleson, Xerox

### Friday Evening Intel

2200 Mission College Blvd., Santa Clara

7:00 Refreshments and free time in the new Intel Museum of semiconductors.

8:00 **Technology: Access the Force**,  
Cheryl Shavers, Intel

### Saturday, April 23

#### Gunn High School, Palo Alto

#### Spangenberg Auditorium

8:00 Registration, coffee and doughnuts

8:30 Greetings

8:45 **Devices and Technology for Silicon Integrated Circuits** Ted Kamins, HP

9:45 **Molecular Manufacturing**, Ralph Merkle, Xerox

10:30 break

10:45 **Fullerenes** Robert Johnson, IBM

11:30 Announcements, raffle

11:45 Lunch - See **Information** and **Reservations.**

1:00 **Show and Tell** -  
(5 min. each. Sign up during breaks.)

2:00 **Arithmetic Population and Energy**, Al Bartlett

3:00 Contributed Papers

3:15

3:30

3:45