

AMERICAN ASSOCIATION  
OF  
PHYSICS TEACHERS

Spring 1995 Meeting  
of the  
Southern California Section

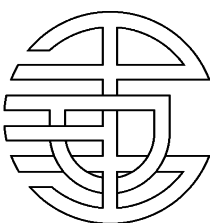
Saturday April 29, 1995  
Ayala High School  
Chino Hills

Local Host:  
Joe Miller  
(909) 627-3584 x 2122

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

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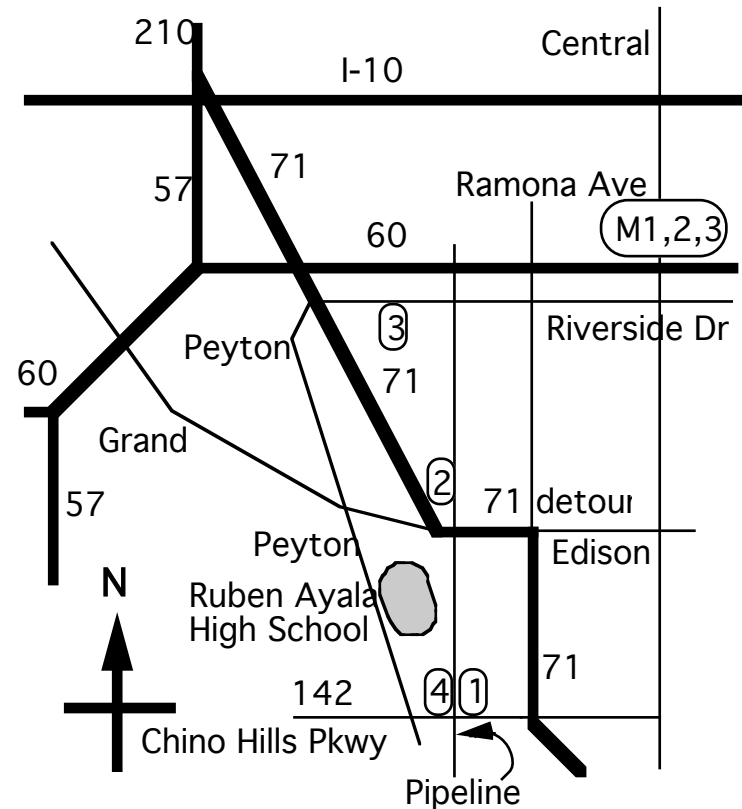
ADDRESS CORRECTION REQUESTED





## Freeway and Area Maps

### Map to Ayala High School



### Directions

**From the west:** Exit the 210, 10, or 60 Freeway at Highway 71 (Corona Expressway – expect massive construction). Drive south on 71 until you are about 0.4 km south of the 60 Freeway. Turn right (west) onto Peyton Drive. Continue on Peyton for approximately 4 km. Ayala HS (14255 Peyton Drive) is on your left (east) past the Sheriff's station and several churches.

**From the east:** Exit the 60 Freeway at Central Avenue. Drive south approximately 5 km, turn right (west) onto the Chino Hills Parkway (Rt. 142). After approximately 4 km, turn right (north) onto Peyton Drive. Ayala HS is approximately 1 km north on your right.

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– *Position Vacant* –  
*We are current soliciting  
candidates for this and other  
offices.*

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## Things to do

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### Join the national AAPT!

Are you a member of the national AAPT? If not, you are missing out on a good thing! Members receive *Physics Today* monthly and the *AAPT Announcer* quarterly, plus *The Physics Teacher*, the *American Journal of Physics*, or both. There are special low membership rates for students. You can request an application form by sending a postcard to AAPT Membership Dept., One Physics Ellipse, College Park, MD 20740-3845.

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### Extra AJP's

ATTENTION present and future retirees and other interested parties: we need your donation of past issues of the American Journal of Physics to complete our collection at Southwest College. We have complete sets for 1950, 1952, and 1959 to present. We need all other volumes. Complete years would be desirable. You may bring them to the Spring Meeting, and give them to the Treasurer, or any of the Officers. Your donation will be much appreciated and acknowledged in writing if so desired. Thank you.

Fernando J. Lopez-Lopez, Treasurer

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### Extra textbooks?

Is your office bulging with books you don't want or need? Duplicate or older desk copies? Are you a generous person who would like to share your excess reading material with others? Please bring unwanted books to the meeting, where they will be made available to high school teachers.

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### Pay your dues

Support the Southern California Section AAPT. Dues are \$10/year or \$25 for three years. Mail checks to Fernando Lopez-Lopez, Southwestern College—Department of Physics, 900 Otay Lakes Road, Chula Vista, CA 91910. Please include your name, address, city, state, school, home and/or office phone #, and status (faculty, staff, student, or other.) Thanks!

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### Attend the National AAPT Meeting

The 1995 Summer Meeting will be held at Gonzaga University, Spokane, WA – Aug. 7-12. See *The Announcer* for details.

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**From the southeast:** Exit the 91 Freeway at Highway 71 (Corona Expressway). Drive north until you reach Chino Hills Parkway (Rt. 142), turn left (west) and continue for approximately 2 km. Turn right (north) onto Peyton Drive. Ayala HS is approximately 1 km north on your right.

### **Motels**

Best Western Pine Tree (M1 on map) 12018 Central Ave., Chino	(909) 628-6021
Chino Motel (M2 on map) 11885 Central Ave., Chino	(909) 591-9505
Motel Six (M3 on map) 12266 Central Ave., Chino	(909) 591-3877
Howard Johnsons (continue east on the 60) 2425 Archibald, Ontario	(909) 923-2728
Travelodge (continue east on the 60) 2441 S Euclid, Ontario	(909) 983-4260

### **RV/Tent Camping**

Prado Regional Park 16700 Euclid Avenue, Chino	(909) 597-4260
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### **Restaurants**

(# refers to location on map)

(1) Carl's Junior	(2) Carl's Junior
Casa Santa Fe	Mimi's Cafe
Chinese Garden	
Domino's Pizza	(3) Joey's BBQ
El Pollo Loco	
Kentucky Fried Chicken	(4) Bravo Burgers
Lamppost Pizza	Burger King
Magic Wok	Dona Carmen's Mexican
Majestic Coffee	Jack In The Box
Sakura	Sizzler
Siam Restaurant	
Subway	
Taco Bell	

## INVITED TALK

### **“Studying Earthquake Hazards in Southern California”**

Dr. Jim Mori

Scientist in Charge, U.S. Geological Survey, Pasadena

Dr. Mori will discuss the energy and size of earthquakes, including magnitude scales, fault sizes, and styles of deformation. He will discuss the effects of the strong shaking caused by these earthquakes on the urban regions of Los Angeles.

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## **“SHOW AND TELL”**

A constant attraction of our meetings is the “Show and Tell” session. There is still time to get a favorite demo together and share it with others at the meeting.

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## **“WORKSHOPS”**

Spaces are still available in the workshops (see next page for description). Call Fred Carrington (818) 886-4654 to sign up.

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# Meeting Notes



## Meeting Notes



## Highlights

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### **THANK YOU EXHIBITORS!**

Many thanks to our exhibitors and door prize contributors including (as of press time) Central Scientific (donating a multimeter), Vernier Software (donating gift certificates), Brooks-Cole Publishing (donating copies of "Physics" by Hecht and "From Alchemy to Quarks" by Glashow), John Wiley & Sons (donating copies of "Homework and Test Questions for Introductory Physics Teaching" by Arons), PASCO, and Sargent-Welch Scientific.

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### **DOOR PRIZES!!**

As always door prizes, see above, will be given away to those in attendance at a drawing to be held in the afternoon.

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### **ORDER-OF-MAGNITUDE QUESTION**

Last fall we asked "How much would it be worth (in \$/year) to eliminate traffic jams in Southern California?" Now we ask "How much would it COST to eliminate traffic jams in Southern California?" The choice of methodology and cost estimates for implementing the methodology are, of course, up to you! The person whose estimate is the median of all entries received gets first pick of the prizes. The winner must be present at the awards ceremony.

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**LUNCH**

See list of area restaurants on page 3.

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# AMERICAN ASSOCIATION OF PHYSICS TEACHERS

Meeting of the Southern California Section—29 April 1995

Ayala High School, Chino Hills—Host: Joe Miller

Meeting Place: Ayala High School

**8:15 - 11:00 Registration, Exhibits, Coffee, and Donuts**

**8:45 - 10:35 WORKSHOPS** (Spaces are still available, call Fred Carrington (818) 886-4654 to register.)

**“The Physics of Vibrations and Waves in the Context of Earthquakes”**

A SCAMPI workshop presented by Rod Ziolkowski, Cerritos High School

This workshop will investigate methods of teaching students about vibrations and waves using earthquake waves as a model. The workshop will include hands-on activities and demonstrations.

**“New Windows Software for PASCO Computer Based Labs”**

Kevin Mather (PASCO)

Join us for a demonstration of the new Windows software for the PASCO 6500 Computer Interface for IBM. The demonstrations will focus on collecting and analyzing data in the student lab. There will be a special SNEAK PREVIEW of Win65, the next generation of PASCO IBM interfaces.

**11:00 Welcome**

**11:10 “Seismic Accelerations Greater than  $g$ ”**

Harry Manos, Schurr HS

**11:30 “Show and Tell”**

Greg Darakjian, Harry Manos, Joel Levine & students, others?

**12:00 Lunch**

See list of area restaurants on page 3.

## AFTERNOON SESSION

**1:15 Business Meeting – Election of Officers – Cracker-barrel Discussion “Whither SCAAPT?”**

What is this organization good for? What is it doing well? What could it do better? What isn't it doing that it should be doing? How do we promote wider participation and greater involvement?

**1:45 “The Baseball Curve”**

Fernando J. Lopez-Lopez, Southwestern College

**2:00 “The Merry-Go-Round Experiment”**

Andy Halle, Rio Hondo College

**2:15 “Teaching High School Astronomy – An Integrated Approach from the RAAP”**

J. van der Veen, Adolfo Camarillo HS and Remote Access Astronomy Project, UCSB & P. Lubin, Director, Remote Access Astronomy Project, Physics Dept, UCSB

**2:30 “The Cal Poly WWW Page: A Resource for Physics Teachers”**

Roger Morehouse, Cal Poly Pomona

**2:45 “The Seventh-Inning Stretch”**

**3:00 INVITED TALK**

**“Studying Earthquake Hazards in Southern California”**

Dr. Jim Mori, Scientist in Charge, U.S.  
Geological Survey, Pasadena

**4:00 Order of Magnitude Contest Winner and  
Door Prizes**

**4:15 Meeting Adjourns**