



SAN FRANCISCO SECTION NEWSLETTER



Meeting Details:

- **Tuesday, September 13th**
- The Englander, San Leandro
- 6:00pm – Cocktail Hour
- 7:00pm – Dinner
- 8:00pm – Speaker
- \$35 members, \$15 students, \$40 non-members

Reservations Due By NOON, FRIDAY, SEPTEMBER 9TH!

SECTION OFFICERS - 2004-2005

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SEPTEMBER 2005 PROGRAM

Michael Bonkowski, Bonkowski & Associates, Inc.

THE MOVEMENT AND CONTROL OF MTBE IN A LANDSLIDE - A CASE STUDY

A decade ago, 2,000 gallons of gasoline containing MTBE was pumped into a vapor well adjacent to a UST. The well was completed in the tank cavity backfill, excavated into the top of a deep rooted landslide. The landslide generally consists of colluvium overlying an uneven surface of crushed serpentine, marble, quartzite, amphibolite slate, pyretic slates and ultra-basic rocks. Subsurface mapping and pump test data identify fractures in metamorphic rock that provide localized areas of higher permeability separated by low permeability clay seams. Despite source removal actions, MTBE, benzene and toluene have migrated across lithologic contacts into the Site's two water supply wells. Toluene may have migrated through fractured bedrock at a rate as high as 34 ft/day.

(Continued on Page 3.)

Ed Medley, Geosyntec Consultants

USE OF LIDAR FOR A PRELIMINARY TERRAIN HAZARD ASSESSMENT AT THE LIHIR GOLD MINE, PAPUA, NEW GUINEA

The Lihir gold mine, located in Papua New Guinea, produces approximately 700,000 ounces of gold per year. It is situated within an inactive and collapsed volcanic caldera having steep topography, hydrothermally altered rocks, complicated geologic structures, and an active geothermal system. Precipitation averages 3.8 m/year. Plans for pit expansion and long-term stockpile placement required an assessment of slope hazards. Dense tropical vegetation ruled out aerial photograph interpretation and field-based engineering geological mapping to integrate geotechnical borehole data into the caldera-scale geological framework. *(Continued on Page 3.)*

Barry Thomas, Shaw Environmental

DISCRETE GROUNDWATER SAMPLING TECHNIQUES APPLIED TO TARGET THIN DISCONTINUOUS PERMEABLE BEDS IN AN ALLUVIAL FAN AQUIFER, WESTERN SAN JOAQUIN VALLEY-CALIFORNIA

Thin discontinuous and overlapping permeable sand and gravel beds form preferential pathways for groundwater flow and contaminant transport in alluvial fan aquifers. The NASA Crows Landing Flight Facility in the Western San Joaquin Valley, California is located on the distal edge of a series of coalescing alluvial fans. The subsurface is predominantly fine-grained material, and permeable beds are commonly only 1 to 5 feet thick. Groundwater is located at approximately 60 feet below ground surface, and environmental sampling has been targeted to depths of approximately 230 feet. Cone penetration testing (CPT) data have been collected to 120 feet below ground surface and have been used to identify thin permeable beds that were then targeted with a direct-push discrete groundwater sampler. *(Continued on Page 3.)*

Committee Chairs

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The AEG San Francisco Section Newsletter is a monthly publication of the San Francisco Section of the AEG.

For more information, visit www.aegsf.org.

Submittals:

Deadline is the 20th of each month for the following issue. Contact Maile Smith by email (newsletter_editor@aegsf.org) for submittal. All submittals are subject to editing for space considerations. Employment notices are free if brief.

Address changes:

Please submit to Section Secretary, Janine Weber-Band (secretary@aegsf.org).

Advertisements:

The newsletter's circulation is about 360 within northern California.

Use these low rates to expand your market:

business card:	\$15 / month
1/4 page:	\$30 / month
1/2 page:	\$60 / month

CHAIR'S MESSAGE

Patrick Drumm has been extremely busy with his teaching duties at Cal State East Bay and with his consulting company. He regrets not being able to provide a Chair's message this month.

Pat
Chair, AEG San Francisco Section

SEPTEMBER SECTION MEETING DETAILS

The Englander Sports Pub & Restaurant is located at 101 Parrott Street in San Leandro, 510-357-3571, between Washington Avenue and East 14th Street.

Driving Directions: From the 880 Freeway, exit Davis Street and drive east to Washington Avenue. Turn right (south) on Washington Avenue and then left (east) on Parrott Street. Look for The Englander on the south side of Parrott Street.

Parking: You may park for free in The Englander lot in front of the restaurant or next door in the Washington Mutual Bank parking lot after hours. Otherwise, street parking is available.

Bart Directions: Get off at the San Leandro Bart Station and walk south two blocks to Parrott Street. Then walk toward the Hayward fault, another 4½ blocks, to reach The Englander on the south side of the street.

FAX or e-mail your reservation to Sachiko Tanikawa.

Reservation Form Located on the Last Page of the Newsletter.

No-shows and late cancellations will be charged.

SPONSORSHIP

Sponsor a Section Meeting or become a Section Corporate Sponsor! Donate to the Section and receive free advertisement each month, recognition at Section Meetings, and more! Contact Patrick Drumm at chair@aegsf.org for more information on sponsorship.

**Thank You to the Corporate Sponsors of
the AEG San Francisco Section!**

Applied Geomechanics – Santa Cruz

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AEG SF PUBLICATIONS CHAIR VACANCY

We currently have a vacancy for Publications Chair. This commitment involves bringing assorted books and AEG publications to Monthly meetings, collecting money from sale of these publications, and occasionally assisting members who cannot attend the meetings with mail shipments of publications. Prerequisite is that you have an interest in sharing and distributing important geologic knowledge, attend at least ½ of the monthly meetings or arrange for a surrogate attendee and have wheels to bring 1-2 boxes of books.

Bill Godwin
Publications Chair, AEG San Francisco Section

AEG SF SECRETARY VACANCY

There is an opening for the always enjoyable position of Secretary beginning ASAP. Notify Patrick Drumm or Janine Weber with your interest. This is an ideal opportunity to serve the geo-community and to have a really great excuse to come to all the meetings. Janine and other past officers will be very happy to train, prepare and advise whoever wants to take this on.

SOIL TECTONICS

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the site, and discrete groundwater samples can be collected through a submersible pump and packer system in the cased sonic borings. Accurate location of the thin permeable units also allows for precise placement of monitoring well screens and collection of discrete groundwater samples with representative analytical results. These sampling methods have provided a solid foundation for the development of a site conceptual model and successful environmental remediation activities.

JULY SECTION MEETING NOTES

The invited speaker at the July meeting was Dr. H. Gary Greene of the Moss Landing Marine Lab. Dr. Greene's presentation was titled "Mechanisms and Dating of Submarine Landslides Along the California Continental Margin and Their Tsunami Generating Potential." Research collaborators included Eric Peterson and Lee Murabi. Following the disastrous Indonesian tsunami of 2004, the level of concern for a similar event affecting California prompted an investigation into potential tsunami-causing conditions along the California coast. The most likely causative factor is an underwater landslide, triggered by either an earthquake or sediment loading. Dr. Greene and his colleagues investigated the size and origination point of potential landslides that would generate a damaging tsunami; they also looked at where past landslide events have occurred and made estimates of the location of future potentially tsunami-generating landslides.

Along the active margin of North America, the most likely trigger for an underwater landslide is an earthquake. A likely location for a slide is along the walls of an incised underwater canyon such as the Monterey Canyon off Central California. Using a remotely operated submarine (ROV) and sonar, the Geological Oceanography team at the Moss Landing Marine Lab (MLML) investigated the underwater canyon in their backyard as well as the off the Big Sur coast and in the Santa Barbara Basin. The three areas all show evidence of past, large landslides and the potential for more in the future.

In the Monterey Canyon turbidity flows through the channels undercut the walls. Erosion from underwater springs also weakens the canyon walls. (*cont. next page*)

SPEAKER ABSTRACTS (CONTINUED)

Bonkowski

Groundwater flow is toward the west and southwest. Numerous private water supply wells and a regional river are located at the base of the landslide and downgradient of the Site. The dissolved hydrocarbon plume is hydraulically controlled, and volatile components are removed by vapor extraction. Generally, aromatic hydrocarbons remain close to the source, their concentration decreasing with time. When left unabated, MTBE will migrate into the Site's water supply wells, which are completed in a marble knocker. A 97-005 Permit is currently being prepared for the Site.

Medley

Light detection and ranging (LiDAR), also known as airborne laser scanning or airborne laser altimetry, was used to produce a high-resolution digital elevation model (DEM) suitable for engineering geologic and geomorphologic interpretation. LiDAR returns from the ground surface were dense enough to provide a 2 m gridded DEM, derivative geomorphologic maps, and shaded relief images with varying angles of illumination. Analysis of the LiDAR products allowed identification of apparent landslides, debris fan complexes, caldera-scale rock slumps, lineaments, and young fault scarps. Limited field verification showed the LiDAR DEM to be a faithful representation of topography around the mine. A tentative Terrain Hazard Assessment map was produced that, together with the DEM and derivative maps, will be valuable for hazard identification and mine planning.

Thomas

Continuously cored sonic borings have been completed to a maximum depth of 500 feet below ground surface at

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(Continued from previous page) A new failure along one of the identified incipient landslides could generate a tsunami with something between 1 m to 11 m high waves depending on the volume of entrained material. Off the Big Sur Coast multibeam sonar and ROV images show large lobate deposits that appear to have originated from land. Another such event could also generate a tsunami in the region.

The Santa Barbara Basin shows ample evidence of past landslides in the form of arcuate headscarp-like features and lobate deposits. In this area, hydrocarbons and escaping gases may contribute to increased pore pressures that could trigger landslides. Other contributing factors include the high sediment load from the Santa Clara River, and a seismically active setting. The MLML team anticipate that an earthquake with a local Mercalli Intensity of VI to VII would be a sufficient trigger. The two existing slides, the Gaviota and the Goleta, were age-dated using a variety of techniques. The team interprets that the Gaviota slide is about 200 years old; this age corresponds to the timing of a large earthquake in the area. The team has not yet found corresponding on-land tsunami deposits. Likely areas would be in low-lying areas along the Monterey coast and along lower areas of the Channel Islands.

Conclusions: Locally generated tsunamis are possible along the California coast. They most likely will occur where underwater landslides have occurred in the past, where there is active tectonic activity, where the potential landslides are not more than 200 m underwater, and where a displacement wave would move toward low-lying land.

To view a very cool "fly through" check out the MLML website that shows the Monterey Canyon at: <http://geooce.mlml.calstate.edu/>

Janine Weber
Secretary, AEG San Francisco Section

AUGUST SECTION MEETING NOTES

The speaker at the August meeting was Janine Weber-Band. (Janine is changing her surname to just Weber, so you may see it both ways for a while.) Dr. Weber presented a talk titled "Active Tectonic Deformation East of the San Andreas Fault System, California Coast Ranges". The area of interest is known as the Montezuma Hills, a little-known region located just north of the confluence of the San Joaquin and Sacramento Rivers. The lower marshland around the Montezuma Hills are known as the "Delta Area". The presentation started with a slide show of the area (sheep, goats, windmills and gas wells in the rolling hills).

The Montezuma Hills and Delta area form an anomalous low spot along the eastern edge of the California Coast Ranges. The local stratigraphy and fault style are unusual in that the Montezuma Hills have a very thick stratigraphic section bounded by two faults that behaved as normal fault throughout the Cretaceous and Lower Tertiary: the Midland fault on the east and the

Pittsburg/Kirby Hills fault on the west. The Sacramento River cuts across the southern part of the hills where steep bluffs are formed along the northern banks. Viewed in the context of the larger Coast Ranges, this area is an anomalous block of relatively flat-lying crust set between highly tilted and faulted blocks to the north, west, and south (Vacaville Mountains, Coast Ranges in the Vallejo area, and the Mt. Diablo and Los Medanos Hills, respectively). Most of the active deformation observed in the Coast Ranges is related to lateral offset – in the Montezuma Hills active deformation appears to be vertical or oblique and occurs along reactivated older faults. Evidence from geomorphology, stratigraphy and structure was used to document the nature and amount of tectonic uplift in the area.

The two bounding faults can be interpreted as part of an old graben structure with the main fault being the Pittsburg/Kirby Hills fault. The relative movement reversed in the late Tertiary at a time corresponding to a shift in the overall tectonic forces caused by passage of the triple junction. At present, reverse movement appears to be on the order of 0.2 mm/yr, much lower than Class A faults of the state.

Janine Weber (yes, I had to do my own review)
Secretary, AEG San Francisco Section

MEMBER UPDATES AND OTHER NEWS

GSA LOOKING FOR AN EDITOR

GSA is searching for a Geology co-editor to serve a four-year term as one of a three-editor team, beginning in January 2006. The application/nomination deadline is October 7, 2005.

See http://www.geosociety.org/GSA_Connection/0507/pubGeoEditor.asp for more information.

NEW SMGB EXECUTIVE OFFICER

The State Mining and Geology Board announces the appointment of Stephen M. Testa as its Executive Officer, effective August 2. Mr. Testa brings with him a great blend of experience and expertise in the areas of, Engineering Geology, Environmental Geology, Geologic Hazards, Mine Reclamation, Waste Management, Water Quality and Management/Administration.

AEG MEMBERSHIP RENEWALS ON THEIR WAY, AND VOTE ON AEG NAME CHANGE

You will soon be receiving your 2006 AEG Membership Renewal in the mail. A very important ballot will be included with your renewal. AEG is not only electing officers, but we are asking the membership to vote on a possible name change. The ballot is due **September 2**. Your membership dues are due **November 1** to be included in the 2006 printed AEG Annual Report and Directory.

AEG is a leading source of information and networking for our more than 3,000 members. In this next year, AEG will be working hard to further enhance member benefits.

(Continued from previous page) A complete redesign of the website and database is scheduled by the end of 2005 to improve functionality and value. And, AEG continues to work with other geoscience organizations to raise the awareness of the importance of our profession to legislators, educators and users of our services.

MESSAGE FROM SENATOR FIGUEROA

August 25, 2005

Dear Friend:

I write briefly to give you an update on the status of my sunset review bills the Governor has threatened to veto. Last evening Senator Perata and I met with the Governor's representatives and while the meeting was cordial, there was no resolution.

As you know, I have devoted much of my energy, passion and political capital as a Senator to working with you to make sure that California's boards are the best in the nation. Working together through the sunset review process we have accomplished much. And while I will continue to struggle behind the scenes to persuade the Governor that his unprecedented decision to use sunset dates outside the process for which they were created is a mistake, I need your help. If you have not already impressed upon your supporters and colleagues the need to contact the Governor with your views, now is the time.

Recognize too that it is not just the boards that are up this year that are at risk. Every board with a sunset date—and that is all the DCA boards—have an interest in rescuing the sunset review process which, until now, has been one hallmarked by bi-partisanship, and mutual cooperation and respect between the executive and legislative branches.

All of us who care about and have worked in this process are in this together.

Sincerely,

Senator Liz Figueroa
Senator.Figueroa@SEN.CA.GOV

CCGO ANNOUNCEMENTS

CCGO Needs a Treasurer

CCGO will have an opening for Treasurer position to replace Anne Cavazos who will no longer serve as the representative for the AWG San Francisco Chapter as of October 1, 2005. The position is open to the Directors of CCGO organizational members including, AAPG-Pacific, AEG-So Cal, AEG-SF, AEG-Sacramento, AWG-SF, AWG-LA, AWG-Sierra, GRA of CA, AIPG-Cal, CGEA, CCGS, Davenport Geological Society, and Monterey Bay Geological Society (as long as the organization is current on you dues payment.)

Please contact Jason Preece or Jane Gill if you are interested in taking over this important position or if you would like to nominate someone else. If you have questions about the duties, contact Anne Cavazos.

CCGO supporters are urged to write letters of support for SB228

Professional geoscientists are reminded that SB228, which extends the BGG until 2012, has not been signed into law yet. An August 17th amendment passed by the Assembly changes the legislative counsel's digest title from "Board for Geologists and Geophysicists: sunset date" to "Geologists and Geophysicists: regulation". SB228 is still on the Assembly Floor and will go to inactive August 18 along with all of the sunset bills. Members of the Senate are still working with the Governor's office and will probably have an update next Thursday.

Please write a letter to the Governor urging him to sign the bill into law. A draft letter, enumerating discussion points, is posted at <http://www.ccco.org/>. Please take a moment to download the draft letter, modify it to include your own wording, and send it by snail mail to the Governor.

A few of the discussion points are:

- The BGG is totally self-supporting, with no tax advantage to eliminating it or folding it into another Bureau.
- The BGG is necessary for the health, safety, and protection of the general public in matters of the geosciences.
- The BGG serves the function of maintaining the public trust and protecting the general public by keeping practitioners accountable through the credential inspection and licensure examination process.
- If a licensed geologist has misrepresented expertise to clients, or failed to perform in accordance with customary practice and expertise, or sidestepped regulatory requirements, he or she should face appropriate disciplinary action.

Board of Directors Meeting Scheduled for September 11

The CCGO Board of Directors has scheduled a Board meeting for Sunday, September 11, the time and location to be announced shortly.

SAGEEP 2006 Deadline for Abstracts: September 19

SAGEEP 2006, the 19th annual Symposium on the Application of Geophysics to Engineering and Environmental Problems will take place at the Double Tree Hotel, Seattle, Washington, April 2-6, 2006. The theme of this year's SAGEEP, is "Environmental and Engineering Hazards - Advances and Constraints". Over 160 oral and poster presentations are scheduled, along with numerous short courses, workshops, field trips (Mount St. Helens region) and demonstrations.

To find out more visit <http://www.eegs.org/sageep/index.html> or contact Environmental and Engineering Geophysical Society. You can submit online at www.eegs.org/sageep/abstracts.html Access the online submission form, complete all fields and submit by September 19, 2005.

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SHORT COURSES

GRA SEMINARS

Joint GRA/DWR/USGS/ACWA Workshop on Basin Yield & Overdraft: Scientific & Legal Perspectives—September 15-16, 2005, Hilton Hotel, Pasadena

This workshop will provide a technical forum for local, state, federal, and private sector technical professionals to meet and debate methods for conducting hydrologic trend analysis and evaluating the yield of a groundwater basin. The workshop will also include discussion on overdraft, perennial yield, safe yield, and subterranean streams. Attendees will receive a notebook including presentation and poster abstracts and slides of the presentations. This workshop, the 2nd in GRA's Groundwater Resources Series, will provide an opportunity for GRA's members and guests to compare notes on how they're tackling the thorny questions surrounding basin yield in the face of increasing pressure from developers, growers, and advocates of interbasin transfers. There will also be a field trip to the Raymond, San Gabriel, & Upper Los Angeles River Basins on September 14, 2005.

Visit <http://www.grac.org/byoreg.html> for more information.

DNAPL Source Zone Characterization—December 7-8, 2005, San Francisco

Effective and efficient DNAPL source zone remediation involves not only difficult technical issues, but policy challenges as well. This symposium, the 15th in the GRA's popular Contaminants in Groundwater Series, will focus on DNAPL source zones and the technical and regulatory challenges faced by professionals working at these sites. Symposium sessions will cover a variety of topics. The deadline for submitting an abstract for a paper or poster presentation is August 26, 2005. Please feel free to contact Bettina Longino at 510-663-4213 if you have any questions. For more information, please visit www.grac.org.

AEG ANNUAL MEETING SHORT COURSES

Short courses at the 2005 AEG Annual Meeting include:

- Aquifer Testing
- Paleoseismic Investigations
- Engineering Geophysics Workshop
- GIS for Geologic Mapping
- Review Course for ASBOG Test

For Short Course information and submittals, please contact: **Ernest Solomon**, Short Course Chair, AEG San Francisco Section

Fun with Geoscience Trivia (from GSA Connection)

1. What term is given to pieces of country rock that are caught up and recrystallized in plutonic rocks?
2. What name is given to a sedimentary rock made up of large angular fragments of other rock materials in a finer matrix?
3. What sedimentary structure forms when a clay-rich layer is overlain by a sandy layer and the weight of the sand pushes into the clay forming an irregular bedding surface?

Answers on Page 7.

OTHER MEETING ANNOUNCEMENTS

AEG ANNUAL MEETING

Plan to attend the 48th Annual AEG Meeting, "Under the Neon", at the Flamingo Las Vegas Hotel in Las Vegas, Nevada, September 17-25, 2005.

For more information on the annual meeting, visit www.aegweb.org.

NORTHERN CALIFORNIA GEOLOGICAL SOCIETY

The NCGS typically meets the last Wednesday of each month in Orinda at the Masonic Center, 9 Altarinda Road. There is a social period at 6:30 pm, and at 7:00 pm a talk (no dinner). To reserve, leave your name and phone number at 925-424-3669 or danday94@pacbell.net. Cost is \$5 per regular member; \$1 per student member.

Thank You!

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FIELD TRIPS

PGS Guidebooks

The Peninsula Geological Society has posted guidebooks from their recent field trips, including Panoche and Tumey Hills (2004), White-Inyo Range (2002), Mount Shasta and the Klamath Mountains (2001), Big Sur (2000), and the Northern Sierra Nevada (1982). The guidebooks can be downloaded from www.diggles.com/pgs/.

Upcoming NCGS Field Trips

Fossil Overpressurized Zone on the East Side of the Diablo Range, Fall 2005: Mel Erskine, Consultant.

1906 San Francisco Earthquake Centennial, April 18, 2006: The Northern California Geological Society will be participating in the centennial observance of the San Francisco 1906 Earthquake. We are currently finalizing our contributions to the observance and the events will also be posted to the website of the 1906 Earthquake Centennial Alliance. The full set of events range from professional meetings, an SSA professional conference, multiple museum exhibits, as well as commissioned music to be played by the Contra Costa Wind Symphony, (and much more). Please visit the website if you have not done so to see what is planned by the alliance: <http://www.06centennial.org/>

Point Lobos to Point Reyes, April 29 - 30, 2006: Evidence of ~180 km offset of the San Gregorio and Northern San Andreas Faults, led by Kathleen Burnham, Consultant.

The NCGS has posted photos and comprehensive field trip reviews for many of their recent field trips. Visit www.ncgeolsoc.org for more information.

For Field Trip information and submittals, please contact:
Phil Johnson
Field Trip Chair, AEG San Francisco Section

EMPLOYMENT OPPORTUNITIES

Please note: AEG provides the following employment notices as a courtesy but does not necessarily endorse these services or companies nor does it take responsibility for actions pursuant to these notices.

Geotechnical or Environmental Engineer

Phillips & Associates is currently conducting a search for a California based client that has several offices in the state. They are in the process of opening a new office in



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Sacramento, and are seeking a Branch Manager for that location. This company specializes in Geotechnical and Environmental consulting for private and municipal projects. The ideal candidate would have a background in either Geotechnical Engineering or in Environmental Engineering with at least ten years of experience. This position offers a base salary of up to \$120K per year with a \$6,600 car allowance plus additional bonuses depending upon the profitability of the new location. Additionally, full regular benefits are offered.

Interested individuals should contact Jim Phillips at 2909 East 77th Street, Tulsa, OK 74136, 918-499-8772, Fax 918-499-8764, e-mail searchbest@aol.com. Phillips & Associates is a Tulsa-based retained search firm that specializes in the Engineering and Surveying areas, has been in business since 1978, and has been voted one of the "Ten Best Technical Search Firms in America".

Senior Staff Geologist/Engineer

Performs a variety of office and field tasks requiring excellent communication, writing, and organizational skills, scheduling fieldwork for multiple projects, preparing and reviewing workplans and investigation reports, including QA/QC of analytical results, preparation of maps, cross sections and hydrographs for conceptual or numerical models, data interpretation and report writing. The field tasks require geologic and environmental skills, including detailed geologic logging of core and soil samples; collection of soil, ground water and soil vapor samples for chemical analysis; and, installation and development of monitoring and extraction wells. Requires BS in Geology, Hydrogeology, Engineering or related field, 3 to 5 years of experience in environmental field investigations. Position based in our Emeryville, California office, with field projects primarily in the greater SF Bay Area.

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**AEG San Francisco Section – September Newsletter
Monthly Section Meeting – Tuesday, September 13th
The Englander – San Leandro**

CHECK OUT THE AEG SF SECTION WEBSITE AT WWW.AEGSF.ORG!

RESERVATION FORM

AEG San Francisco Section Meeting • Tuesday, September 13, 2005 • 6:00 pm • The Englander, San Leandro
Reservation Deadline: 12:00 PM, FRIDAY, SEPTEMBER 9TH

SEND RESERVATION FORM TO **SACHIKO TANIKAWA**
FAX: **510-268-5099** or E-MAIL: **TREASURER@AEGSF.ORG**

Please include "AEG SF Reservation" in subject line • Include entrée choice!

Do not send payment – check or cash at the door – make checks payable to AEG SF SECTION

Dinner and Meeting Cost: \$35 – members \$15 – student members \$40 – non-members

No shows and late cancellations will be charged!

NAME _____ COMPANY _____

TELEPHONE NO. _____ NO. OF PEOPLE _____

PLEASE CHOOSE ENTRÉE(S): Chicken Fish Vegetarian

PERMANENT RESERVATION FORM

AEG San Francisco Section monthly dinner meetings are typically the 2nd Tuesday of each month.

I will attend and make payment for each meeting. If I am unable to attend, I agree to fax or mail a cancellation notice to Sachiko Tanikawa by NOON the Friday before the meeting or I will be charged for the meeting.

NAME _____ COMPANY _____

TELEPHONE NO. _____ NO. OF PEOPLE _____

BILLING ADDRESS _____

SIGNATURE _____ DATE _____ ENTRÉE(S) _____