The API Delta Section has been on the Internet for a month now. The address is http://www.api-delta.org. The general form is there, and it is about 70% functional. We can thank Tech-CAD, Inc., for their hard work and the $2500 grant to cover costs during the development phase. About 40% of that has been spent thus far, so a great deal more functionality will occur before the Delta Section faces any financial burden. Many thanks are due Don Sustendal, who has worked hard as our temporary WebMaster during this development phase, and to Martine Sherlock, who fielded all the e-mail. Most of all, we can thank Andrew Thomas for the drive and leadership to get this great project on a fast track.

Click on About API to find the Board of Directors, their phone numbers, and link to them or send e-mail directly to them. There is an application form for new members.

The Calendar is being revised, but it will include the events for all petroleum-related organizations and all other events of general interest to oilmen and women. In many cases, you will be able to click to get more information on each event and, where appropriate, link to their site to make reservations. By May 30, we plan a submittal form so that new events can be added by e-mail. If you are a member of any other petroleum organization, please let your program chairman know about this new and powerful way to “get the word out.” This will be the Industry Clearing House requested by local managers in 1997.

API Delta Section has been working on a revision of the “career opportunities book” for about seven years. The further we got, the further away publication seemed to slip, mainly because of limited manpower to get it up to date. Today, the career book has taken new form; just click on Careers on the home page. Since it is intended as a tool for students to let them know what is available in the industry, job-wise, it is organized by education requirements. Then you click on the job title to find additional information, including salary ranges and where to apply. Many entries are out of date, so look up your own job and get your personnel manager to do so. You can e-mail your comments, suggestions, additions, and revisions to us right on the home page. If everyone will pull together on this, the book will be

— continued on page 3
Recently, I was in a reflective state and thinking about the oil and gas industry. I was thinking about how much I love this business and asked my self the question...why? What is it about oil and gas that appeals to me so much?

Firstly, this industry has allowed me to support my family for over 16 years. In fact, a lot of people get the opportunity to support their families. A very interesting aspect of our industry is that it provides good paying jobs and opportunities for an enormously diverse group of people with extremely wide education levels and job skills. It has always been and continues to be a business where good "horse sense" and the willingness to work hard can serve one as well as a Ph.D. or MBA. That creates a fascinating cross-section of people that adds color and depth to our livelihood.

The economic benefit of our industry obviously goes way beyond the direct participants. The positive ripple effect in communities all over the world is felt through peripheral and supporting businesses, taxes and local industry support, philanthropy and involvement. Having grown up in Wyoming, I’ve always remembered that Gillette (Campbell County) had the nicest high school football field in the State due to revenues from oil production in the Powder River Basin. This is one tiny personal example of the external economic benefit that many communities derive from the oil and gas industry.

The second answer to my internal question was that I am proud to be involved in an industry that helped make America what it is. I wonder how many people in this country don’t understand what an important part affordable energy played in the industrial/economic growth of the United States. We oilpatch people didn’t create the resource, but it darn sure took us to find it, produce it, refine it and distribute it. At those steps still have to be done efficiently enough to make it “affordable.”

Third on the list is that the oil and gas business is a business of frontiers—frontiers geographically, intellectually, technologically and operationally. The envelope is constantly being pushed to find, develop and produce hydrocarbons that were previously unrecognized and/or untapped. This industry has responded to every need to...
reinvent itself through pushing the boundaries of the way we do business. It is a dynamic industry run by dynamic people.

There are many other reasons I love this industry, but I wanted to share these thoughts as a prelude to the following statement. All of us should be very proud of the business we’re in and should strive to maintain an industry we can always be proud of. Along with our genuine pride and the appreciation we feel for what this business has done for us and our families, we need to continue with our sense of responsibility to maintain an industry with stability, vision and good citizenship. This will carry us through and beyond any of the inevitable business cycles we will experience in the future.

Sandy Andrew
Chairman

**Delta Section on the Internet**, continued from page 1

current by the beginning of the coming school year. If so, we’ll likely send out a mailing to all the high school counselors in the state to let them know about this powerful tool.

Where possible, we’d like to make those company names (“where to apply”) into links as well, so that qualified applicants can fill out employment applications by e-mail. Wouldn’t your company like to increase the number of applications it receives, to help it find the best people and to increase the percentage of computer-literate applicants in all job positions? If not, watch out; you may be swallowed soon! But if so, please send us the appropriate address for the link.

Links on the home page get you everywhere else on the Internet. If you know of any oil-related sites not listed, or if your company has a site open to the general public, get us those link addresses. The company listing is especially sparse, just Global Marine. Don’t your company want to get the good word out about the positive things you do for the community and for the economy? Go to it!

And last but not least (I am the editor!), the Newsletter is on-line. No more late copies due to incorrect addresses or our government-mandated post office. By year’s end, we may start sending e-mail messages that the new issue is out on-line; that would save us a small fortune in printing and postage. This is a giant step for the Delta Section of API, being brought about with Andy Thomas’ push and the ongoing leadership of Jim Rike and Sandy Andrew during the past 3 years.

---

**BASIC MAPPING TECHNOLOGY**
(Presented by Subsurface Consultants & Associates, LLC)

**June 24-26, 1998**

API Delta Chapter Sponsored Training

For: Draftsmen, geological, geophysical and engineering technicians.

Learn how to assist the explorationist or development geologist in daily activities, such as preparing base maps, posting data and planimetry. The job of the geoscientist is to find oil and gas. A technologist can undertake many of the tasks to free up the geoscientist to do more exploration. The basic methods used in the industry for decades to map the volume of reservoirs are covered. Exercises illustrate common pitfalls that lead to incorrect volume determinations and larger errors in evaluation of reserves. Techniques for applying these methods on existing isochore maps are illustrated.

The course covers the fundamentals of fault geometry, fault mapping and the integration of fault surface maps with structure horizon maps. You practice using the techniques that allow you to accurately honor all of your well log and seismic data when constructing faulted structure maps. Normal and reverse separation fault map techniques are covered as well as pitfalls in mapping steeply dipping structures and shortcuts for mapping complexly faulted gently dipping structures.

**Major Topics Covered:**
- The Use of Technical Tools
- Base Map Construction
- Survey Data
- Pasting Well Data
- Contouring Techniques
- Directional Wells
- Electric Log Techniques
- Cross Section Construction
- Fault Surface Maps
- Structure Contour Maps
- Isochore Maps
- Planimetry

**Special API Chapter Tuition:** $715

For enrollment or information:

Kim Gatte, (318)234-8557

(API Chapter sponsorship does not represent an endorsement of any product or service.)
# Golf Tournament

**Delta Chapter**

**Friday - September 25, 1998 City Park - West Course**

*This event will serve as the API fund raiser to reward scholastic achievement in and around the New Orleans area.*

**Format:** 2-man scramble, blind baggy scoring

$70.00 Per Player - Fee includes cart & green fees

**Food & Drinks on Course and 1999 Membership Drive**

**NULLIGANS:** Maximum 3 per golfer - 1 nulligan per nine holes

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**Total Submitted: $**

**Time Preferences:**

You write in your preferred time cannot be accommodated.

Make checks payable to: **DELA CHAPTR API**

And mail entry to: **API Golf Tournament**

R. O. Box 52319

New Orleans, LA 70164

**Thank you for your support!**
## Maintenance Management

(Presented by Rike Service, Inc.)

June 29 - July 3, 1998

API Delta Chapter Sponsored Training

For: Engineering, management and supervisory personnel where maintenance is critical to profit or productivity. This applies to production facilities, rigs, plants, storage facilities, loading equipment, and about anything with engines and/or moving parts.

Learn how to eliminate costly unscheduled down time, whether you operate rigs, boats, production piping and vessels, compressors, pumps, engines, assembly lines or plants. You learn how to plan maintenance, how to schedule inspections and how to increase productivity with equipment up time.

A faulty O-ring eliminated an Indy 500 race car just 100 yards from the finish line. Another destroyed a space program. You will learn how to prevent these occurrences, as well as failures due to lubrication, leakage, worn parts, overheating, calibration error, and lack of spare parts. You leave with the ability to develop and utilize all your equipment resources to increase productivity and profit. Or do you feel "lucky," and can do without such a program?

### Course Outline

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<th>Purpose and Objectives</th>
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<td>(API Chapter sponsorship does not represent an endorsement of any product or service.)</td>
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<td>Functional</td>
<td>Company and Vendor Standards</td>
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### Webmaster

The Board is considering adding a Webmaster as a permanent API Delta Chapter board position.

If you spend most of your time near your computer (that is, not out-of-town), and you think you have the talent, or maybe just the enthusiasm to learn, send a note listing your qualifications to the Delta Section Chairman, Sandy Andrews.

You would be our liaison to Tech-CAD during ongoing development of the site, and keep Calendar and Careers up-to-date and functional. You would also route the e-mail we receive to the appropriate board member for action. A great skill-builder for your resume: need I say more!!
HORIZONTAL COMPLETIONS
(Presented by Rike Service, Inc.)
May 25-29, 1998

API Delta Chapter Sponsored Training
For: Engineers, top field and rig supervisors, management and serv-
ice company personnel with good oilfield math proficiency

Discover what's been tried and what has worked in completing hori-
zontal wells. Learn why so many are completed open hole while a few
insist on cemented casing. Leave with all the reasons why you may
want to shoot holes only up, down or sideways. Technology is new and
emerging, but you are able to learn from others’ mistakes and suc-
cesses. How long is too long a horizontal liner? Can it be cemented?
Can an uncemented liner be diagnosed? Can a gravel packed liner be
squeezed? You get the answers and the reasons why specific techniques
work while others fail.

Course Outline

- Anticipated Well Productivity
- Normal Darcy Production and
  Comparison to Proposed
  Fracture Results
- Potential Penetration and Skin
  Effect
- Open Hole vs. Uncemented
  Liner or Casing
- Predominant Statistics Available
  Effect of Formation
  Characteristics
- Well Type: For Multiple Fractures,
  Injection Wells and Thermal
  Recovery
- Casing and Cementing
  Running Long Liners Successfully
  Centrallers and Other Hardware
- Cementing
  Velocity and Rheology of Fluids
  Moving Pipe
  Gravity Segregation of Slurry
  External Casing Packers
- Perforating
  Shot Density and Charge
  Selection
  Orientation
  Tubing Conveyed or Thru-Tubing
  Open vs. Plugged Perforations
- Sand Control
  The Completion as a Sand
  Control Measure
  Slotted or Wire-Wrapped Liners
  or Screens
- Pre-Packed Screens and
  Gravel Pack Screen
  Gravel Packing Fluid and
  Grain Size
- Reservoir Systems
- Stimulation
  Diagnostic Problems
  Fluid Selection
  Diversion to All Areas
  Needed
- Fracturing Dynamics
  Problem Analysis
- Selection of Penetration
  Scheme and Use of
  Production Logs
- Completion and Workover
  Mechanics
- Coiled Tubing Rig
  Inflatable Packers and Coils
  with Wireline Inside
- Special API Chapter
  Tuition: $840

For enrollment or
information: Anne Marie
Stephens (827-0161)

(API Chapter sponsorship
does not represent an
endorsement of any product
or service.)
American Petroleum Institute — Delta Chapter

New Membership Application/Renewal Form

Name: ____________________________
Company: ____________________________
Title: ____________________________
Business Telephone: ____________________________
Home Phone: ____________________________
Street: ____________________________
City: ____________________________ State: ____________________________ Zip: ____________________________

Please enclose $15.00 for annual dues.

Mail to: American Petroleum Institute
        Delta Chapter
        P. O. Box 50110
        New Orleans, LA 70150

Volunteer for Committees?
☐ Education
☐ Community Relations
☐ Industry Affairs
☐ Golf Tournament/Fund Raising

Sequencing
Stratigraphy in Exploration and
Production Geology

(Presented by Subsurface Consultants & Associates, LLC)

July 6-10, 1998

API Delta Chapter Sponsored Training

For Geologists, geophysicists, engineers and petrophysicists, who want the fundamentals of sequence stratigraphy and how it is applied to exploration and reservoir characterization.

Designed to provide the sequence stratigraphic fundamentals and their application to exploration and production, this course begins with an overview of sequence stratigraphic concepts. Developed originally as an exploration tool, sequence stratigraphy has evolved more toward a reservoir characterization tool utilizing 3-D seismic and workstations. The course is strongly geologic and focuses on the integration of multiple data to recognize, characterize, map and quantify potential traps, plays and reservoirs. Depositional systems are placed in a sequence framework and described as lowstand, transgressive and highstand tracts, each with its own unique reservoir, seal, trap and source potential. Newer methods of reservoir characterization use seismic amplitude, horizon slicing and flattening techniques to better define reservoir trend and continuity.

Major Topics Covered:
- Introduction to Sequence Stratigraphy
- Passive vs. Active Margins
- The Conceptual Model
- Sequence Boundaries and Unconformities
- Flooding Surfaces and Condensed Sections
- Seismic Facies and Depositional Environments
- System Tracts
- Accommodation Space and Subsidence
- Onlap Curves and Eustasy
- High Resolution Biostratigraphy and Paleoecology
- Chronostratigraphic Charts
- Parasequence Analysis
- Scaling Factors
- Advantages of Sequence Stratigraphy

Special API Chapter Tuition: $1125

For enrollment or information: Kim Gatte, (318)234-8557

(API Chapter sponsorship does not represent an endorsement of any product or service.)
I CAN LEARN

John R. Lee is an entrepreneur oilman who has been developing a novel approach to bringing technology to the classroom. John has spent the last eight years creating, developing and demonstrating his project in New Orlean's classrooms. His program, which was recently featured in Forbes Magazine, called "I CAN Learn," short for "Interactive Computer Aided Natural Learning," is a series of computer programs which are full-time teaching tools. "I CAN Learn" enables students to work at their own pace and become self-motivated, lifelong learners, meanwhile allowing teachers to provide one-on-one assistance to the individual students. At our May 27 Chapter Meeting, John will present a brief history of the "I CAN Learn" project, a lesson demonstration, feedback from the students, and projections of future course developments.

John's program is currently enrolling non-gifted inner-city students in Stanford University's Gifted Youth Program and is challenging these at-risk children to change their lives for the better. To date, John has helped well over a thousand inner-city children master algebra, setting their sights on a college education and the hope of escaping poverty.

With assistance from Bob Livingston, Bill Jefferson, and the U.S. Department of Education, 21 additional "I CAN Learn" classrooms (9 in Orleans Parish, 9 in Jefferson Parish, and 3 in Washington Parish) are being installed for the coming year. With these classrooms, John's goal is to prove his software is the first scaleable program which can improve students' test scores in all school settings, inner-city, rural and suburban.

John R. Lee graduated from the University of Pittsburgh with a B.S. degree in Chemical Engineering in 1970, and received his MBA in 1973. He began his career in the petrochemical industry and was the Vice President of Diversified CPC International, Inc., before going into business for himself in 1985. John eventually operated the largest fleet of jumbo LP gas, railroad tank cars that was not under the control of a major oil company—he had a fleet of 588 rail cars. Upon moving to New Orleans, he worked as a consultant to Chevron Chemicals Corporation for 7-1/2 years.