

NEWSLETTER

PUBLISHED MONTHLY FOR PERSONNEL OF TUDOR ENGINEERING COMPANY SAN FRANCISCO

JUNE, 1967

1967 has been an exciting year for Tudor Engineering Company in the field of winning awards.

The Consulting Engineers Council conducted the first international meeting of consulting engineers ever to be held in the United States and attracted 600 leading design engineers in private practice from the U. S. and 17 other nations of the International Federation of Consulting Engineers. Engineering achievements of many of these firms were submitted for the CEC's 1967 Engineering Excellence Awards Competition. The achievements submitted reflected a cross section of projects and innovations designed by engineers in private practice. Civil, structural, sanitary, electrical, mechanical and industrial engineering disciplines were represented. They included research, planning and design of projects involving bridges, water reclamation, hydroelectric power, highways, parking facility, flood control, atomic accelerator, stadium, waste treatment plant, resource development plan, environmental systems for a school, research center and hospital, and industrial space and systems planning for a newspaper plant.

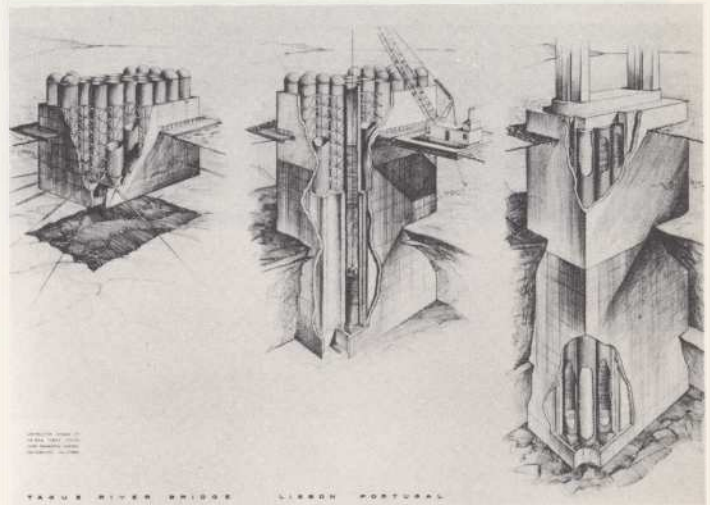
Out of 16 finalists, Tudor was selected for a Grand Award. On May 10, Art Reitter attended the CEC Annual Convention in Washington, D. C. and as the picture below shows, received the "Grand Award" for the New Exchequer Dam from Eugene B. Waggoner, president of CEC. Tudor was selected in the field of civil engineering for design of the New Exchequer Dam, a main element in the Merced River Development Project near Snelling.

The award was made on the basis of "engineering achievements demonstrating the highest degree of skill and ingenuity and for a significant benefit to the public welfare and private practice of engineering." Another main feature of the dam is that it is the world's highest rockfill to rely entirely on an upstream concrete face for its impervious barrier plus a unique feature which was the use of the Old Exchequer Dam in the new structure.



Art also accepted the award for engineering excellence for the Salazar Bridge, Main Pier, which was rated superior and adjudged worthy of "Honorable Mention" by the Consulting Engineers Council.

The main pier, which is the world's deepest bridge pier, is founded 260 feet below water surface and has a height above bedrock of 290 feet. It contains 4,500 tons of structural, plate and reinforcing steel and 55,000 cubic yards of concrete. It penetrates 90 feet of water and 170 feet of soft mud and sands. The caisson used in construction of the pier had air-domed cylinder wells to allow for control of sinking and stability and to provide dredging access.



On May 22, Mrs. Tudor went to Washington, D. C. to present for the first time the "Ralph A. Tudor Medal" to a civilian member of The Society of American Military Engineers (under 36 years of age) for the most outstanding contribution to military engineering in design. The winner was Sherman J. Bollinger, an engineer in the office of the Army Engineer District, Omaha, for the installation of the smoothly operating hydraulic turbines at the Oahe power plant and his improvements in the design of large fixed-blade propeller-type turbines.

The Prestressed Concrete Institute selected Tudor Engineering Company for an award in the 1967 PCI Awards Program for our design of the aerial structure for BART. From a large number of projects, our entry was chosen by a Jury consisting of: Charles M. Nes, Jr., president of the American Institute of Architects; T. M. Linville, president, National Society of Professional Engineers; Earl T. Andrews, president, American Society of Civil Engineers; MacDonald Becket, AIA, Los Angeles; Guy Desbarats, FRAIC, Montreal, Canada.

Mr. Nes will present the award to Louis Riggs at the PCI Convention in Montreal on October 9.



The Board of Direction of the American Society of Civil Engineers has selected Louis Riggs as the recipient of the 1967 A. P. Greensfelder Prize for his paper "Tagus River Bridge: Tower Piers," which was published in the February 1966 issue of CIVIL ENGINEERING.

In 1939, an ASCE Construction Engineering Prize was provided for by A. P. Greensfelder, Hon. M. ASCE, as part of the St. Louis Regional Planning and Construction Foundation Trust. By Board action in October, 1961, the name of the award was changed to "The A. P. Greensfelder Construction Prize." The prize may be awarded annually to the author, or authors, of the best original scientific or educational article on construction, printed in the Society's journal, CIVIL ENGINEERING, during the specified annual period, but not previously published. The article should deal primarily with the construction phase of an engineering project, which project shall have been performed by a construction organization, corporation, company, partnership, or individual having its headquarters in the United States of America, using methods applicable in the United States. The presentation should accentuate one or more of the following: (a) ingenuity, novelty or efficiency of field methods, (b) unit cost-time data, (c) engineering basis for advanced practice, (d) engineering analyses or discussions in which the problems inherent in a given situation are recognized and developed.

Louis will receive the award on October 16 during the Presentation of Awards at the Opening Session of the ASCE's Annual Meeting in New York.

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September, 1966

NEWS FROM LISBON

What we in the office have been calling the "Tagus River Bridge" was opened on August 6 and officially named "Ponte Salazar" by the Portuguese Government. Louis and Pat Riggs attended the opening ceremonies which lasted four days and Louis reported there was much excitement and many impressively-dressed diplomats with all their medals, etc.

Jim Holden has finished his work in Lisbon and is headed back for the San Francisco office.

NEWS FROM ECUADOR



Andy Lamore sent the above newspaper picture of Maria Mercedes San Lucas, secretary in the Tudor office in Guayaquil, who is a candidate for queen of the Junior Chamber of Commerce. Maria is one of seven candidates and we wish her "muchacha suerte!"

Garretta Lamore is doing a portrait as one of the raffle gifts for Mrs. Salvatierra's American Government Wives functions. It sounds as though everyone in Guayaquil is busy-busy!

NEWS FROM PERU

Carl Otto will be in the office the week of October 17 so we may find out what is going on in Peru!!!

NEWS FROM ATLANTA

Two Tudor expatriates have joined the PBTB team in Atlanta, Georgia. Lou Salaber and Ray O'Neil, native San Franciscans both, find Atlanta a considerable change of pace. They may even become the first pedestrians to be arrested for "speedy and reckless walking."

But speed is appropriate to the Atlanta Rapid Transit project. By April of next year, a report is to be produced updating the 1962 study, and shortly after that, preliminary plans are required for the initial system which is recommended. The principal objectives of the newly formed Metropolitan Atlanta Rapid Transit Authority (MARTA) are:

1. To develop a long-range plan for rapid transit in Atlanta.
2. To define the system sufficiently to protect essential rights-of-way.
3. To present an initial construction and right-of-way program for local approval.

Faced with this work load, Lou and Ray have been getting their sightseeing done early. Ray can usually be found driving at the head of a column of red Georgia dust. This is his way of absorbing local color. Starting with the Battle of Atlanta, he can now relate much of the Civil War, but only backwards-- Kennesaw Mountain, Chattanooga, and Chickamauga.

Lou favors the shotgun approach to tourism. On his first weekend, he and Phyllis saw "all" of Atlanta. On the Labor Day weekend, he and the family covered "all" of Charleston, South Carolina and Savannah, Georgia. For them, the cross-country drive was just a warm up.

So far, Ray reports that Atlanta has proved to be modern and green with friendly people. There is even a growing variety of restaurants shading ever farther from hushpuppies, Kentucky-fried chicken and other traditional Southern fare. On the negative side, Atlanta lacks the bustle of San Francisco and does present a considerable change of climate.

The Atlanta team photograph (obviously posed since not a coffee cup is in sight) shows from left to right:

Dave McBrayer, PBQ&D--San Francisco; Leverage Parks, JVCO--San Francisco; John Coil, Resident

Manager, JVCO--San Francisco; Ray O'Neil; Ray Gustafson, Bechtel--San Francisco; and Lou Salaber. As you can see, Lou is a little camera-shy and please note the stately posture! (Sorry, Lou, Just want you to know how much we miss you and your smiling face.)



NEWS FROM 525

In August, Wil Pacheco attended a 5-day conference of the American Institute of Planners in Portland, Oregon.

The American Institute of Steel Construction's 38th Annual Prize Bridge Competition, the only contest which pays tribute to designers for their aesthetic use of structural steel in bridge construction, was held in New York on September 22, 1966. One of our associates, Norman C. Raab, was asked to serve with four other jurors in selecting the prize bridge in each of seven categories. About 130 different types of structures were submitted by the 50 states and territories of this Country. After the meeting ended, Mr. and Mrs. Raab returned via Washington, D.C. where they visited various museums and took in the sights of the Nation's Capital.

Louis Riggs and the other members of the Board of Control for BART toured the major cities in Europe and Russia inspecting their subway systems during the month of September. Louis has promised to give us some information on what they saw and the cities visited in the next Newsletter.

Vacation Time

Frits Fenger and family spent a long weekend visiting Disneyland, Death Valley and Solvang.

Bert LaVigne and oldest son, Bruce, had an interesting vacation. They flew to Mexico City and made like tourists then to Acapulco where they met friends who have a schooner and joined them sailing back to San Diego. They were supposed to sail, that is, but the weather was unusually warm and calm that they motored most of the way.

An interesting picture that Berniece Beal took while on her Safari is shown below. The forest in Lake Manyara National Park in Tanzania is famous for its tree climbing lions. The group watched this lioness for nearly an hour. She showed some curiosity while being photographed since they were only 10 feet away. The roof of the mini-bus was open and if the lioness had been hungry or angry, could have jumped right into the car; however, everyone was informed that she would give plenty of notice--like sending wavelengths??? Incidentally, the head in the background belongs to Berniece and luckily, it returned with her to San Francisco.



NEWS FROM 515

Bob Ganse and family spent a week vacationing at Donners Memorial State Park. They camped out, sailed, fished, and Bob said they completely relaxed.

Sara Fina vacationed in the "wide open spaces," namely, Jackson Hole, Wyoming. This is the Grand Tetons country and quite beautiful. She spent one day visiting Yellowstone National Park and another day, following in "Lady Bird's" footsteps (or canoe) by going on the Snake River tour. An interesting side-light--while in Jackson Hole, "The Monroes" (a new TV series) was on location and being filmed. Sara met the assistant director who took her on the set and doesn't it sound intriguing?

After having the chance to go to Hawaii but never getting there, Dan Yavorski took a "big bird" and spent two weeks being a beachcomber. He did manage to get in a few games of golf and returned with a nice tan and looked relaxed. It is rumored that he left a few broken-hearted Wahines in the Islands!!

Congratulations and Best Wishes to

Karin Pedersen and Bert Pfeifer who were married at the San Francisco City Hall on August 26. They will have a second wedding in a church in Karin's home town of Odensee, Denmark on October 15. They plan to spend one week in Odensee then on to Munich for a week to visit Bert's family.

Ines Studhalter and George Horner who were married in the Mission Church at Santa Cruz on September 10. They will take a delayed honeymoon.

On September 6, the joint venture of TEC and PBQ&D Bowling League--The Injuneers--held their first bowling banquet to present trophies to the best bowlers, team, etc. The dinner was held at the Rathskeller and a most delightful time was had by everyone. Chaperones (??) were Stanley and Harriette Froid from Tudor, and Dick and Alice Davis from PBQ&D. Trophies were presented to: 1st place team consisting of Leone Morris, Bryce Tomlin (he was in Caracas so Dixie accepted for him), and Akos Vass; Don Yamagishi for high series; Al Rose for high game with handicap; and Elain Jones for... (the reason escapes the editor's mind so if you're really interested, please see Elaine).

If anyone has moved in the past year, please contact Gloria Pinell and give her your new address. We must keep our address list up-to-date and this cannot be done if you don't give us the information. Thanks!

Please keep Saturday evening, December 3, open for Tudor Engineering Company's Annual Dinner-Dance. More about that later.

Congratulations to

Joan and Fathel Al-Kazily who had a son, Riyadhth.

Julia and Marius Bejan who had a girl child, Janine.

Shirley and John Czechowski who welcomed Sabina.

Laila and Keith Sandner who welcomed Kenneth; thereby making Adolph Sandner a great-grandfather for the third time.

A few RESUMES and PERSONAL HISTORY form have not been turned in yet--particularly from down South America way. Mary Roberts asks that you please complete these and send them to her, pronto!



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AUGUST-SEPTEMBER, 1965

NEWS FROM LISBON

We realize that Bob Wilkinson and Dick Rudolph are very, very busy these days, but would certainly like to hear any news from that part of the world. Jim Holden is now in Lisbon helping Bob and Dick, so maybe we can get him to send us some news--huh, Jim?

NEWS FROM PERU

The above applies to Carl Otto???????

NEWS FROM MERCED

The half-way point for completion of the project has been passed.

The New Exchequer Dam bulks larger day by day and begins to dwarf the old concrete dam. Work is progressing rapidly on the concrete facing of the dam.

Irrigation water releases have been terminated and preparations are being made for finishing the tunnel, and starting the powerhouse excavation.

Concrete work is almost completed on the gated spillway and tainter gate erection is in progress. The dike embankment is also essentially completed.

At McSwain Dam, construction is progressing on the powerhouse and conduits.

Phil Stevens left the project to return to the Berkeley Campus with renewed determination to avoid any further contact with civil engineering. He is majoring in business analysis. Good luck, Phil!

Joan and Fathel Al-Kazily emerged from the wilderness of Yosemite to visit our project, and we were pleased to meet some of our fellow employees from the San Francisco office.

Incidentally, the project is only a three-hour drive from San Francisco--why not stop by for a look-see?

NEWS FROM CALAVERAS

Resident Engineer Bill McNerney reports that the contractor, Jack Campbell, Inc., is currently laying pipe on the Calaveras County Water District, Ebbetts Pass Domestic Water System. The contractor may work through the winter--at least, as long as the weather permits.

It's going to get real cold riding in that jeep the District assigned to you, Bill--better bundle up--we don't want you freezing your ears off! Meanwhile, the folks back at the ranch anticipate you will head them off at the Pass.

NEWS FROM WATSONVILLE

Bill Gray, Resident Engineer, reports that the contractor, Granite Construction Company, should have the Watsonville water main and storm drains in during November. Pavement repairs are currently under way and the Storm Water Pumping Plant will soon be completed.

Bill, will you commute to Watsonville on weekends to see your new friends after the project is completed (feminine gender, that is)?

NEWS FROM TCC

In today's competitive milk market, it is apparent that dairymen need up-to-the-minute comprehensive information for herd management. We at TCC, with the expert assistance of Bob Appleman, Extension Dairyman, and Dairy Farm Advisors, have developed a unique, complete and rapid DHIA record processing system as part of our Scientific Farm Management Service. Our system is designed to provide optimum information in a form most usable for herd management.

We have conducted a feasibility study using trial mailings to Dairymen and DHIA Supervisors in all parts of the State. Based on the rate of return information, we now have a good inkling of why gossip travels so fast. You just aren't safe for long, even in the most remote corner of the State or hiding out in Palm Springs!

We have now begun processing trial herds and indications point to an early November completion of all preliminaries.

Several of our people will be participating in a CPM Seminar for the Forestry, Land Management and Pulp and Paper Industry in Seattle on October 29 and 30.

On August 31, Michiko and Arthur Wu became parents of a girl child--congratulations!

NEWS FROM 525 AND 515

Wedding Bells

Heinz Mueller and Bergit Guenther were married on August 20 in San Francisco followed by a reception in their new apartment. Best wishes, Heinz and Bergit!

Cecilia Jones (a Texas gal) flew to San Francisco to meet Glenn Horton then they flew to Reno where Cecilia became Mrs. Glenn Horton. Best wishes and much happiness to these nice people.

Best wishes also to Clemencia and Enrique Diaz who were married on September 18. Enrique knew Clemencia from their native country, Colombia. They spent a two-week honeymoon in lovely Carmel.

Vacations

Berniece Beal took off for the "deep south" (southern California, that is) on a short vacation visiting relatives, Disneyland, Knott's Berry Farm and the San Diego Zoo.

Louis and Pat Riggs spent a few weeks in Portugal on a combination business and vacation trip and think they might have been a little homesick to see Kathy who was still visiting there and ready to adopt Lisbon as her "native land."

Stanley Froid and family spent a week touring the "wilds" of California making like Daniel Boone. They had a little difficulty finding a dry spot to make camp since the rains were with them most of the time.

Stanley also spent a week visiting various subways, tunnels, etc. in New York City and Canada. Oral Conyers (now at the JVCO) also made the trip.

Mr. and Mrs. Marr spent their vacation touring Arizona and started at an elevation of -285 feet (Salton Sea) to 7,000 feet at Flagstaff. Mr. Marr reported they saw some beautiful scenery and the weather was nice and warm.

Maxine and Peter Joyce spent a weekend at Lake Tahoe as the guests of Peter's company since he was the winner of a contest. They enjoyed the lovely weather (this was during San Francisco's "unseasonably" bad weather) and had a marvelous time.

Mr. and Mrs. Helgesson also had a combination business and vacation trip for two weeks. Mr. Helgesson attended the Consulting Engineers-Government Symposium in Washington, D.C. Following the meeting, Mr. and Mrs. Helgesson drove to Williamsburg, Norfolk and Jamestown, Virginia, returning to Washington. They then flew to New York and visited with relatives and spent a day at the World's Fair. Mr. Helgesson rode on the rapid transit system developed by the Westinghouse Electric Corporation at South Park near Pittsburgh, Pennsylvania.

Shersinh Yadav spent ten days vacationing at Pogie Camp, Lake Pillsbury. He spent his time swimming, hiking, chopping wood, even sleeping in a tent--the real outdoor type. Haven't you noticed how healthy he has been looking since returning to civilization?

Mary and Nick Roberts flew to San Diego where they rented a car and toured San Diego, visiting the Zoo, and Sea World Aquarium. They then drove through Tijuana on their way to Ensenada where they spent a day and night (Mary said the weather was very, very hot--even for her). They also visited Scripps Institute of Oceanography, Knott's Berry Farm, Disneyland and Marineland. Mary says she has seen enough fish and marine life to last for quite awhile (although Nick enjoyed it moreso since he is a marine biologist, of sorts).

Personals

On Friday evening, September 18, the Authority members celebrated the Palm Springs Aerial Tramway's 2nd Annual Founders Day Anniversary. Dinner was served at the top of the Tramway in the Alpine Restaurant and Tudor Engineering was well represented. Those attending were Mrs. Ralph A. Tudor, Louis and Pat Riggs, Stanley and Harriett Froid, and Tom and Barbara Mackenzie (Tom was the Resident Engineer during construction of the Tramway).

Mr. and Mrs. Helgesson entertained the secretaries and their husbands from 515, 525 and TCC on Sunday, August 8. Almost everyone took advantage of the warm, beautiful weather to swim and work on sun tans. After lunch (everyone ate like they hadn't had a meal for days--the food was absolutely delicious), a little more exercise was required which consisted of horse shoes, shuffle board and ping pong. Mary Roberts was crowned "Queen of Horse Shoes"--and this is quite embarrassing to write since your friendly editor was on the losing team.

It certainly is nice to see Ray O'Neil back at 525 these days--like having a member of the family come home!

Future TEC Engineers

On September 4, Juliette and Kenneth Mathis welcomed a son to their household.

Marie and Herman Minkowski greeted their new son on September 17.

Joyce and Bill Chin welcomed their first child and son on September 17. (And needless to say, Bill was on Cloud 9 for several days!)

Congratulations to the new parents!
