

# PERSONALS

1923

*Joseph R. Alcock*, an inspector for the Los Angeles County Air Pollution Control District, reports that he is also in business—in a small way—with his wife, selling a childrens' reading game that she invented. The Alcocks recently became grandparents when their daughter had a son.

1931

*Walter L. Dickey* is still with the Bechtel Corporation in San Francisco, only his job has changed from that of chief structural engineer to chief civil and structural engineer of the Power Division. Walter is designing power plants primarily—but is also concerned with other industrial activities. His work involves a good deal of traveling to the Philippines, Hawaii, Alaska, Texas—and other smaller states. However, he still finds time to serve as vice president of the Structural Engineering Association of Northern California.

1932

*C. Fred Hamlin* writes: I have been living here in San Luis Obispo for five years with my wife and children—of whom there are now four. The oldest is 15 and

attends Rosemary Hill in Connecticut.

"I am the managing partner, with my father, of the Bailey Equipment Company, which we formed about eight years ago. Until I resigned in 1950 from the California Bridge Department, I was a senior bridge engineer and had been with the State Division of Highways for nearly 15 years. Our business is a little unusual in that we rent bridges for temporary spans. For this we use portable Bailey bridges, which attained fame during the war. We also purchase and move steel highway or railroad bridges to new locations."

1933

*Ygnacio Bonillas*, MS '35, is manager of the Richmond Petroleum Company of Colombia, and also of the Richmond Oil Company of Peru, so he does quite a bit of traveling between the two countries. Both these subsidiaries of Standard Oil Company of California are in the exploration stage, and as yet are not in active production. "However," Ygnacio remarks, "We have faith in our ability to succeed in the search for 'black gold.'" He and his wife are now living in Bogota again,

after an absence of over nine years—seven of which were spent in Venezuela, and two in Peru.

1934

*John F. Pearne*, who has been practicing patent law, has announced his partnership in the new firm of Ely, Pearne & Gordon in Cleveland. John and his partners are specializing in patent, trademark and copyright law. John was previously a partner in the firm of Evans & McCoy, also of Cleveland.

1936

*Simon Ramo*, PhD, is chairman of the 1955 Electronics Components Conference being held in Los Angeles on May 26 and 27.

1939

*Paul O. Engelder*, MS '40, has a new daughter, born last June. Her three brothers are now 11, 7, and 5, respectively. Paul, who was recalled to the U. S. Marine Corps in July 1950, was discharged in 1953, and is now the systems head at the Electronic Defense Laboratory, Mountain View, California. His work is concerned with electronic counter measure development.

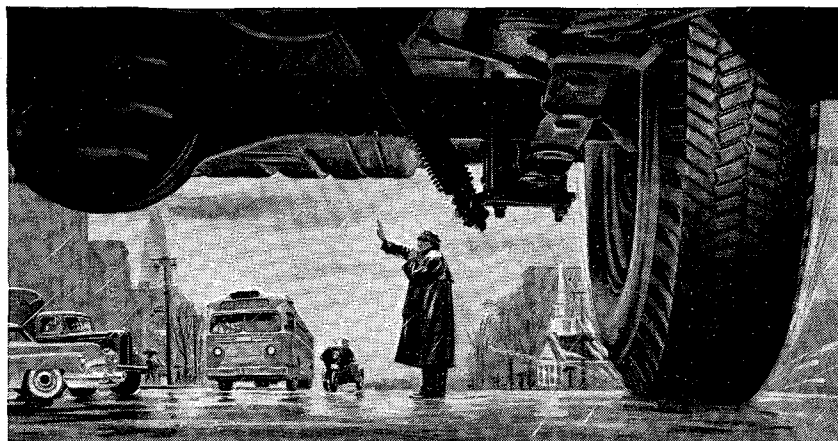
INDUSTRIES  
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## RUBBER . . . BOUNCING HIGHER AND HIGHER

Rubber, natural and synthetic, is so elastic in its applications to daily living that millions of people ride on it, walk on it, sit on it, sleep on it—in fact, use it in more than 80,000 different products. 1,498,906 tons were consumed in 1953 alone. This industry's remarkable growth (U.S. consumption of 2,419,700 tons, or 27.7 pounds per person, is forecast for 1960) is largely due to management's wisdom in reinvesting profits in the tools of production and distribution to encourage company growth.

Anyone whose memory goes back 10 years or more can remember the heroic efforts of the rubber companies by which they averted a serious wartime rubber shortage which threatened both military transport, and family transportation. The phenomenal gains made by the rubber industry in the last decade have met civilian demands and have provided an emergency stockpile as well.

And in this history of rubber research, development and



growth, steam has made—and is making—a basic contribution. Without steam and its teammate power, many of the accomplishments of rubber would have been more difficult, impracticable or even impossible to attain.

B&W, through its own vast program of research and development, coupled with boiler building experience dating back almost a century, has made major contributions of its own to the science of steam generation for processing, power and heat—and through them to the modern-day marvels of rubber.



N-200

1941

Stanley Sohler reports that his Paramount Business Service and Thoroughbred Business Service in San Jose now has five employees, and is struggling to keep the gross income above the overhead. Stan's hobbies keep him busy; he is a member of the Board of Directors of the American Sunbathing Association, and is also fighting City Hall on a magazine-censorship law. His three sons are now wearing Caltech T-shirts and are looking forward to swimming in the Alumni Pool.

Frank G. Casserly, Lt. Col. in the USMC, is now stationed in Pearl Harbor where he is Assistant Communications Electronics Officer for the Fleet Marine Force Pacific. Frank's entire career has been spent in the Marine Corps, except for a short hitch at Lockheed after graduation, and he has been sent to school at Harvard, MIT, and the Naval Postgraduate School at Annapolis—the latter resulting in an MS in EE. He is married and has three children—a son 11, and daughters aged 8 and 2.

1942

Murray L. Lesser has joined the staff of the IBM Research & Development Laboratory in San Jose, California.

Kenneth D. Schureman is the project administrator and assistant secretary of the Baruch Corporation, a large construction firm in Los Angeles, known for the construction of such projects as UCLA, the Hollywood Bowl, and the Cedars of Lebanon Hospital. Ken started with Baruch in 1950.

1943

John Martin French, MS '44, died suddenly last March 26 at his home in Sierra Madre, of a heart attack. After receiving his MS he was associated with a Naval Ordnance Project at Caltech and later was a civil design engineer for the U. S. Naval Ordnance Test Station in Pasadena. He was 33 years old.

Charles L. Schneider, MS, PhD '49, who is an MD in Dearborn, Michigan, specializing in obstetrics, came to California on April 12 to speak before the San Diego Medical Society. His wife, Ruby, (also a doctor) and the two oldest children, ages 4 and 5, accompanied him on his trip. The Schneiders have one other child, 3 years old.

1944

Fred W. Morris, Jr., when last heard from in 1953, was participating in the establishment of the Electronic Defense Laboratory at Mountain View, California. Now Fred brings us up to date with the following: "... I have set myself up as an electronics engineering and management consultant and have been serving clients (for a little over a year) including: Bomac Laboratories, Inc., Instruments for Industry, Inc., Massachusetts Institute of Technology (Heaven forbid!!) and the Remler Company.

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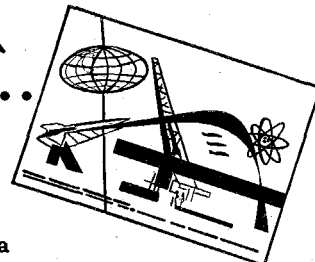
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## PERSONALS . . . CONTINUED

as a member of the consultant staff of Project 'Lamp Light', a study project advisory to the Secretary of Defense. At Remler I am acting as the associate director of a newly established research and development division of the company called Gray Scientific Division. . . . All seems to be going well, but I can't manage to find the twenty-fifth hour of the day!

"My wife Nancy and I are planning to move into our new home overlooking the Los Altos Country Club here on the San Francisco Peninsula in the very near future."

1945

*James A. Senecker*, MS, was recently named a technical service engineer for the West Coast section of General Electric's Chemical Materials Department. Jim, who is living in Anaheim, was previously associated with the Ditzler Color Division of the Pittsburgh Plate Glass Company and Sherwin Williams Company.

1946

*Fred Robins* is an instructor in math and engineering at the College of Sequoias, Visalia, California.

1947

*Arthur S. Bolles*, who is employed by the Arabian American Oil Company in Dhahran, Saudi Arabia, will be returning to the States in the fall of this year for a three month vacation. His wife and two children will be along. At present Art is a pipeline engineer.

*Edward B. Winters*, vice president of the Peletz Company, Inc., of Santa Rosa, California, reports the arrival of a son, Michael, last October.

*Richard M. Roehm* has been promoted to special representative in the life insurance department at IBM, with offices at the western headquarters. Dick has been with IBM since 1950, when he joined them as an assistant sales representative in Los Angeles. He has been transferred to different divisions, and most recently was a mathematician in the product planning department at Poughkeepsie, N. Y.

1948

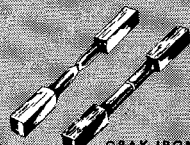
*Harvey K. Holm*, a project engineer at Hiller Helicopters, is presently in charge of their Ramjet-powered "Hiller Hornet," which is about 75 percent through CAA certification. Harvey is living on a half-acre homesite in Los Altos, California, with his family: wife, four-year-old daughter Christine, and four-month-old son Jimmy. The family picture is completed by a boxer dog and a Siamese cat, complete with kittens.

*Warren A. Christopherson* has been transferred from IBM's San Jose Laboratory to their New York Office, as assistant to the director of Advanced Development Engineering. He and his wife Vi, and

## FACTS THAT FIGURE in lower costs

### FACT:

Steel is two to three times as strong as gray iron.

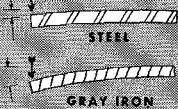


**STEEL**  
Tensile strength  
61,900 psi

**GRAY IRON**  
Tensile strength  
20 to 30,000 psi

### FACT:

Steel is two and one half times more rigid than gray iron.



### FACT:

Steel costs only a third as much as gray iron.

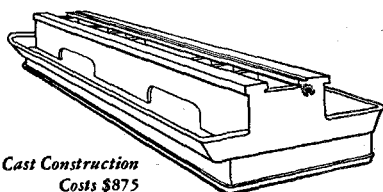


AND SO... by manufacturing your products from welded steel, costs can be reduced an average of 50%.

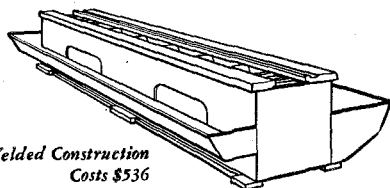
## HOW PROPER DESIGN CAN LOWER COSTS

• When you design properly for steel construction, your products will always cost less to manufacture. Because steel is two to three times stronger than cast iron, and 2½ times as rigid, fewer pounds of metal are needed. Also, each pound of material costs a third as much.

Here, for example, is a base for a machine tool. As a casting it would cost \$875 to build, weigh 4900 lbs. By proper design in steel, it costs only \$536. Although it weighs 2400 pounds less, the steel design is actually 45% more rigid to hold important alignment of the bed ways.



Cast Construction  
Costs \$875  
Weighs 4900 lbs.



Welded Construction  
Costs \$536  
Weighs 2500 lbs.

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## PERSONALS . . . CONTINUED

daughter Cindy, now have an apartment in Yonkers. Warren reports that *Arthur Critchlow*, '47, is a staff engineer and systems planner at IBM in San Jose. Art and his wife Georgia have three children.

*Richard F. Johnson*, MS, is living in Mexico with his wife and three children, and writes: "For five years now, I have been with my father's organization, Electronics, S.A., working as sales representative for companies engaged in the manufacture of materials for transmission and distribution lines, and as distributors for the Hoover Company. Right now Hoover is going to establish a large manufacturing plant in Mexico, and I have been invited to take over as general manager of this operation."

*Robert P. Crago* is the manager of "Project High" at IBM's Poughkeepsie Engineering Laboratory. Bob is directly responsible for all research and development activities related to IBM's Project High contract with the U.S. Air Force. He's been with the company since 1949, and before this assignment was the manager of engineering design.

*Frank F. Scheck* and his wife Jane report the birth of their first child—Christopher Garret—last October. Frank is secretary-treasurer of the New York Alumni Chapter.

1949

*William Houghton* and wife Carolyn have adopted a daughter, Luanna Rae, born last February 7. Bill is employed by North American Aviation.

*H. Hugh Woodbury*, PhD '53, is planning a June wedding to Miss Joyce Nicholes in her home town, Provo, Utah. At present Joyce is an art supervisor in the Troy, N.Y., elementary school system, and Hugh is employed as a research associate in Schenectady. After their wedding they plan to live in Schenectady.

1950

*David C. Oakley*, MS '52, who is working at the University of California Radiation Laboratory in Livermore, is looking forward to receiving his PhD from Caltech this June. Dave and his wife, Bernice, now have a daughter, Renee Mae, born last December.

*Floyd B. Humphrey* and Susan Clapp of Meredith Neck, N.H. are planning a June wedding. Susan, a graduate of Pomona, is doing grad work at the Boston University School of Social Work, and Floyd is studying for his PhD here at Caltech.

*Captain Amos L. Wright*, MS, finished a tour in Korea and is now in Japan with an Engineer Construction Battalion, of which he is operations officer. The Battalion is constructing storage areas and pavement, and Amos reports it is interesting work. His wife and two daughters are also with him in Japan.

1951

*Col. John R. Jannarone*, U.S. Army, MS, has been serving as head of the Corps of Engineers inter-agency office at Tulsa for the AWR (Arkansas-White Red River basin) committee. The committee, which was set up by the federal government, has been making a study of Oklahoma and parts of New Mexico, Colorado, Arkansas, Kansas, Louisiana, and Missouri to determine the soil rebuilding and industrial potentialities in this area. John, who graduated first in his class at West Point in 1938, has now received orders to report to the Army War College at Carlisle, Pennsylvania.

*Robert J. Kurland* was recently awarded a \$6000 Post-Doctoral Fellowship by the Board of the National Academy of Sciences, National Research Council. The fellowship carries a post-doctoral research assistantship with the National Research Council-National Bureau of Standards. Bob is now in his fourth year of graduate study in chemistry at Harvard.

1952

*Donald L. Lamar* sends in a condensed version of recent events: "I'm now out of the Army and living in La Habra, California. I'm doing graduate work in geology at UCLA, and my wife is working as a technical writer for Beckman Instruments. Have a job doing field work for Standard Oil this coming summer. I hope to receive my MA in June, 1956."

*George S. Stranahan* is now at the Radar School at Fort Monmouth, New Jersey. George and his wife are living in Sea Bright, N.J., and have a four-month-old daughter.

1953

*Lt. Cmdr. Caesar Fernandez*, USN, has been transferred to Edwards Air Force Base to serve as Naval liaison officer, after a year in the Far East. While serving overseas, he took part in the Tachen Islands evacuation operation last February and flew night combat patrols, leading a detachment of night fighters (F2H-3 Banshees).

*Stuart Lennox*, MS, is now living in Surrey, England. "Since leaving GALTIC eighteen months ago," Stuart writes, "I worked for a year with Handley Page Ltd., and am now working on helicopter development with British European Airways. Sometimes yearn for some California sun and should be pleased to hear from Caltech friends."

1954

*Tom Tyson* is now a rocket engineer at North American Aviation in Los Angeles, and is working in the engine division. Tom's brother, *Howell N. Tyson, Jr.* '50, became a father for the second time when his second daughter, Carol Susan, was born last March 22.