PERSONALS

1920

Elbridge A. Goodhue died in St. Louis, Missouri on June 9, 1953. He was an associate professor of mathematics at the School of Mines and Metallurgy of the University of Missouri.

1925

Thomas P. Simpson is now assistant director of manufacturing of the General Petroleum Corporation in Los Angeles. Tom joined General Petroleum in 1924, but was transferred to the Socony-Vacuum Oil Company in 1935, where he has been director of the research and development laboratories at Paulshoro, New Jersey for several years.

1926

Arnold S. Lutes, Ex., is currently employed by the Oerlikon Tool and Arms Corporation of America at their new plant near Asheville, North Carolina. They are engaged in the development and production of rockets, guns, shells, machine tools, ballistic instruments and office computing equipment. Arnold is chief of the rocket and range section under Col. L. A. Skinner, vice-president and manager of the department of engineering. Col. Skinner may be remembered as Ordnance Liaison Officer for the Jet Propulsion Laboratory.

1927

James Boyd was recently appointed chairman of the National Science Foundation's Committee on Mineral Research. He now lives in Scarsdale, New York.

1932

Guy Waddington, Ph.D., working in the Bartlesville, Okla., petroleum experiment station of the Bureau of Mines, recently received from Interior Secretary McKay the department's highest honor—the distinguished service award with gold medal. Guy was chosen for his contribution to science as a physical chemist and as chief of the thermodynamics branch of the experiment station. An outstanding contribution under his direction at the station has been the development of a calorimeter with which heats of combustion of sulfur compounds have been obtained with great accuracy.

1935

Jackson Edwards, Engr., was elected to membership in The Representatives of Electronic Parts Manufacturers. He operates his own business in Hollywood uuder the name of Jackson Edwards & Co., and represeuts a group of eastern manufacturers of technical electronic equipment. The Edwards have two daughters and live in the Hollywood Hills.

George Tooby recently sold the consulting engineering practice which he operated for ten years at River Falls, Wisconsin, under the name of George Tooby & Associates. He is now executive vice president and general manager of the Western Condensing Company, which operates 36 plants in the dairy industry in the northern United States and Canada.

1936

Lt. Gen. Leon W. Johnson, M.S., was appointed Senior Air Force Representative to the Military Staff Committee of the United Nations in July of last year. In March, he was elected president of the Congressional Medal of Honor Society, Inc. He also received the Distinguished Service Medal Award for work done with the Third Air Force in England during the period August 1948 to February 1952.

David Harker, Ph.D., is director of the protein structure project at the Polytechnic Institute of Brooklyn. He is also chairman of the U. S. National Committee on Crystallography in 1954, and alternate delegate for the U. S. to the Assembly of International Union of Crystallography, in Stockholm in 1951 and in Paris in 1954. Dave also reports that his daughter, Tatiana, was married in October.

1937

Hugh M. Gilmore, Jr., Ex., is now in the accounting department of the Atlantic Coast Line Railroad in Wilmington, N. C. Prior to this he was a high school teacher in mathematics and science in both California and North Carolina, but finds this new field much more lucrative. His outside activities include the Wilmington Choral Society and managing the Sword and Mask, a newly formed fencing club.

Irving Berler, M.S., was recently promoted to research engineer at the Sperry Gyroscope Division at Great Neck, New York. Irv is married and has a son.

1939

Warren E. Wilson, M.S., became Director of the Engineering Sciences Division, Office of Ordnance Research, at Duke University on September 1, 1953. He succeeded *Newman Hall*, Ph.D. '38, who held the position during the preceding year. From July 15, 1948 to August 31, 1953 Warren was president of the South Dakota School of Mines and Technology.

Victor Wouk, Ph.D., says the Beta Electric Corporation in New York City—of which he is president and chief engineer

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The design engineer trained in welded steel construction is best able to meet industry's need for low cost manufacture because

WELDED DESIGNS CUT COSTS 50%

BY using steel instead of cast iron, design engineers today make their products more efficient . . . *many times at half the cost.* Product designs are stronger, more rigid, take less material to build.

Too little attention is usually devoted to simplification of product designs to eliminate costly manufacturing manhours once a basic design is established. Where designers reappraise product details for welded steel construction, production costs are being cut an average of 50% compared with manufacture using castings.

Manufacturing operations are simplified with welded steel design. Rejections due to inferior metal are eliminated. Less machining and finishing are required. Finished machines are streamlined, more modern in appearance.

In the example below, an economy-minded design engineer lowered manufacturing cost on a machine arm and cut weight of the arm.

Before conversion to steel, the machine arm required 182 pounds of gray iron and cost $38.25 to cast and machine. Welded steel design weighs only 86.8 pounds . . . costs $20.06.

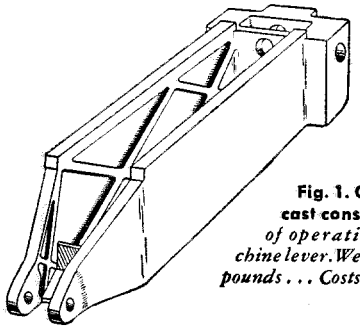

Fig. 1. Original cast construction *of operating machine lever. Weighs 182 pounds . . . Costs $38.25.*

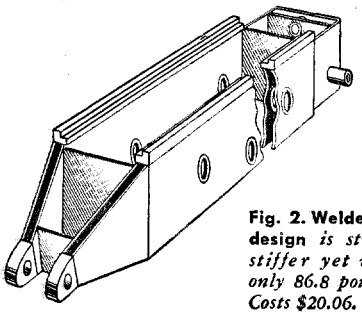

Fig. 2. Welded steel design *is stronger, stiffer yet weighs only 86.8 pounds... Costs $20.06.*

DESIGN DATA *for welded construction is available to engineering students in the form of bulletins and handbooks. Write*

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THE WORLD'S LARGEST MANUFACTURER OF ARC WELDING EQUIPMENT

—has taken about 50 percent more space, has increased its engineering staff 50 percent, and its production personnel 50 percent since last year. He reports they are even building equipment for Caltech now.

Charles M. Brown, who was senior engineer in the development laboratories of the Bendix Aviation Corporation, is now chief engineer with Electromec, Inc. in Burbank.

1941

Reuben P. Snodgrass, M.S. '42, has been chief engineering test pilot for the Sperry Gyroscope Co., Ronkonkoma, N.Y., for two years. He represented Sperry at the International Air Transport Association meeting in Copenhagen, Denmark, in 1952, and delivered a paper on aircraft weather operation problems. The Snodgrass family now includes three children —one boy and two girls. The most recent, a girl, was born in July, 1953.

1942

Robert Golden, M.S., is head of the Criteria and Loads Group at the Bell Aircraft Corporation in Niagara Falls. He and his wife, Steveda, are living in their new home at Snyder, New York.

Richard M. Noyes, Ph.D., is teaching physical chemistry at Columbia University and trying to keep a research program going at the same time. Dick's wife recently returned from a year in a tuberculosis sanatorium, so he says they don't get out on the Appalachian Trail as much as they used to. Though the East has some pretty country, Dick says they still cast longing eyes toward the West.

John T. Bowen, M.S. '46, PhD. '49, is a development engineer for Carbide and Carbon Chemicals Company in New York, working on remotely guided coal mining equipment.

1943

Ralph Allrud says he finally ended his thoroughly explored bachelor days and got married last May to Romola Robb, who is an actress in New York. They flew to Ralph's parents' home in Pasadena for the event and honeymooned in San Francisco and southern California. For the last three years Ralph has been an account executive with Blair TV—a station representative firm—handling sales for, among others, KTTV in Los Angeles. They are currently designing their own home, to be built in Connecticut next year.

Richard Schamberg, Ph.D. '47, and his wife announced the birth of a second daughter, Ellen Frances, last September. Dick is technical assistant to the chief of the aircraft division of the Rand Corporation in Santa Monica.

Neville S. Long has been appointed construction engineer for the $8,000,000 Santa Felicia Dam. The bond issue for the construction was recently approved by the people of the United Water Conservation District in Santa Paula, Calif. Neville and his wife also report a third addition to the family—a daughter, Margaret Anne, born last May.

Willard R. Scott, Jr., after three years with the California Research Corporation in La Habra, California, has left to become director of research of the Crest Research Laboratories, Inc. at Crest's Seattle laboratory.

1945

Kenneth M. Shauer is in the New York office of the Westinghouse Electric Corp., working as a marine application engineer. He's also taking night courses at the New York University Graduate School of Business Administration, aiming for an M.B.A. Ken was married on May 3, 1952 to Sarah Ann Babcock of Pelham, N. Y., and the Shauers now live in New Rochelle, N. Y., with their eight-month-old daughter, Cynthia.

Lt. R. F. Schmoker is now public works officer of the U. S. Naval Supply Depot in Scotia, N. Y. He also reports a recent addition to his family—Nancy Lee, born August 21, 1953. Her sister, Linda Suzanne, is now seven years old.

Richard A. Dean received his Ph.D. from Ohio State University at the fall quarter convocation held on December 18.

John B. Lyon, Jr. has joined the radar laboratory of Hughes Research and Development Laboratories in Culver City, Calif.

Roland W. Ure, Jr., M.S., is still working on his Ph.D. in physics at the University of Chicago. He and his wife had a baby girl, Marjorie Louise, on August 16.

John N. Harris, M.S. '50, is now on the staff at the Lincoln Laboratory at MIT, and is living in Concord, Mass .

1946

C. W. Dick, who now signs himself *Ex-Lt., USNR*, was released from Naval duty last July, after having been recalled in 1951. He served in Korea and the Pacific as a destroyer-minesweeper engineering officer, and as staff operations officer for Mine Division Eleven. He has now returned to General Electric (his former employer), and is working in Schenectady, in the company's utility engineering section.

Norman R. Greve, now an associate of the C. G. DeSworte Structural Engineering firm in Long Beach, writes that his second daughter, Loraine Elyse, was born last August 23. Linda is now three years old.

1947

David L. Douglas, still working as a research associate in the chemistry section of the Knolls Atomic Power Laboratory in Ballston Lake, N.Y., reports the ar-

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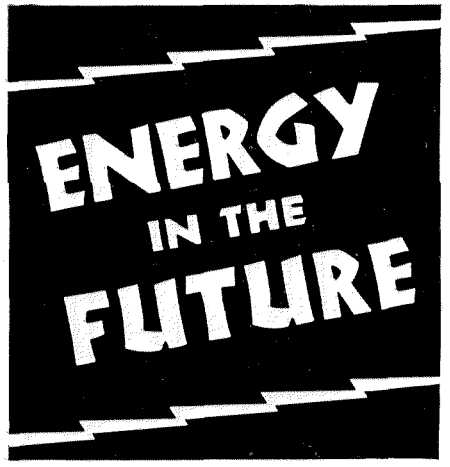

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Consultant to the
United States Atomic
Energy Commission

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This book presents a study of the problem: "Where can we find sources of low-cost energy in an abundance equal to the maximum plausible demands by the expanding and industrializing populations of the future?" The study was made under the auspices of the U. S. Atomic Energy Commission, and is focused on the specific question: "What is the maximum plausible role that nuclear fuels may be called upon to play in the next 50 years or so?"

The author's analysis of the problem includes a review of past population growths in a search for answers to the question: "Is population growth predictable?" Having concluded that it is not, he creates the device of a hypothetical Trustee of Energy, who then asks: "What are the maximum plausible demands for low-cost energy?"

The reserves of low-cost fossil fuels are reviewed to determine how long these "capital" reserves will meet the hypothetical demands. The "income" sources, principally sunlight, are then examined, to learn if we can hope to meet the bulk of future demands for energy from these sources at low cost.

The final step is an estimate of the maximum plausible demands for low-cost energy from nuclear fuels.

The conclusion reached in each step of the study is based on an immense range of inquiry including much hard-to-get hitherto unrelated material. Each conclusion will be of interest to everyone concerned with planning for the contingencies of an uncertain future.

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PERSONALS . . . CONTINUED

rival of Julia Douglas on December 19.

Arthur Vieweg, working for the Fluor Corporation in Los Angeles, has been loaned to the General Electric Company's Knolls Atomic Power Laboratory as a consultant for a one-year period.

1948

Robert Heppe writes that he's married and living in Nutley, N. J., where he works on developing servo systems at the Federal Telecommunication Laboratories. Chief spare time activity of the Heppes these days is working for United World Federalists.

Richard A. Ferrell, M.S. '49, returned in September, with his wife Miriam, from nearly two years on an AEC postdoctoral Fellowship in Goettingen, Germany, where he carried on nuclear research at the Max Planck Institut fuer Physik, under Prof. W. Heisenberg. Dick is now teaching and doing research at the University of Maryland, where he's an assistant professor.

Charles Susskind, research associate in electronics at Stanford University, recently received the Clerk-Maxwell Premium for 1952 from the British Institution of Radio Engineers. The 20 guinea ($60) prize goes annually to the author who presents the most outstanding paper published in the Institution's journal during the previous year. It's the first time the premium has been awarded to an American scientist. The prize-winning paper, entitled "Obstacle-Type Artificial Dielectrics for Microwaves," was published in the Journal of the British I.R.E. in January, 1952.

1949

Rolf Sinclair finished work for his Ph.D. in nuclear physics at Rice Institute, Houston, Texas, in August. Now in the electronics and nuclear physics department of the Westinghouse Research Laboratories in East Pittsburgh, Pa., Rolf is working on neutron scattering problems. However, his main problem, he says, is how to survive his first northern winter.

Donald C. Stinson, M.S., is associated with the microwave laboratory of Hughes Research and Development Laboratories in Culver City.

William V. Wright, Jr. is now affiliated with the advanced electronics laboratory of Hughes Research and Development Laboratories in Culver City.

Augusto L. Soux, M.S. '53, is now in Grenoble, France, where he will work for two years at the hydraulics laboratory of Neyrpic. After this he will continue working with the company in South America—perhaps in his own country, Bolivia.

1950

Peter T. Knoepfler writes that he's still going to Cornell U. Medical College in New York, expects to get his M.D. in June, 1955. He mentions seeing *Jesse Weil* 52, who is doing graduate work at Columbia University.

Robert L. Nelson, M.S., Ph.D. '52, is still with the Stanolind Oil Co., as assistant party chief on a seismic prospecting crew, but has moved from Bismark, North Dakota, to Billings, Montana. "Like it here better than anyplace so far," Bob says, "—if only we could get a little winter to try on for size."

Bernard Strauss reports that the biggest event for the Strauss family last year was the arrival of David Wilson on August 9. His sister Leslie is now three years old. Bernie is teaching and doing research at Syracuse University.

Capt. Peter Grosz, Jr., MS '50 was assigned to the United States Military Academy at West Point as a physics instructor in June, 1953. The assignment followed his successful completion of the Engineer Officers' Advance Course at Fort Belvoir, Virginia.

1951

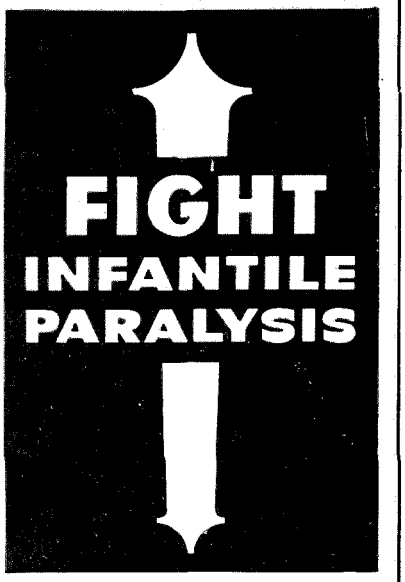
David G. Elliott, M.S. '52, left his job as research engineer at the Jet Propulsion Laboratory in Pasadena last September to start working toward his Ph.D. at Purdue University.

1952

Alexander Dessler writes that he's still at Duke University in Durham, N.C., doing research in low temperature physics, and hoping to get his Ph.D. in about two more years. The Desslers' first child, Pauline Karen, was born on July 29.

Stanley Groner, writing from Glendale, belatedly reports his marriage on June 28, 1953 to Phyllis Joyce Soskin.

MARCH OF DIMES



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