

WHO
ME?
WRITE
"SPECS"?

Chances are you'll eventually be involved
in some way with specifications for:

AIR CONDITIONING
REFRIGERATION
HEATING
HEAT TRANSFER

and chances are you'll profit by knowing



the One Manufacturer providing
"one source-one responsibility" for all four.

DUNHAM-BUSH, INC.

WEST HARTFORD 10 • CONNECTICUT • U. S. A.

Personals

1918

Clarence N. Ward died on January 20 of arteriosclerotic heart disease. He had been retired since June 1959 from his position as an instructor in engineering at Los Angeles City College. He is survived by his wife and mother.

1929

William G. Young, PhD, professor of chemistry and dean of the physical sciences at the University of California in Los Angeles, has been awarded the first Richard C. Tolman Medal of the Southern California Section of the American Chemical Society. The award was given to Dr. Young in recognition of his *outstanding achievement and continuing efforts* in raising the competence of chemists, through activities of the Society which have enhanced the quality of chemistry teaching, and through his production of outstanding students; and in recognition of his pioneering contributions to physical-organic chemistry, especially in the area of fundamental studies of allylic rearrangements.

The late Dr. Tolman, for whom the medal is named, was one of the nation's top atomic scientists. He came to Caltech in 1921 as professor of physical chemistry and mathematical physics. He left temporarily in 1940 to serve as vice chairman of the National Defense Research Committee, and later headed the declassification board of the U.S. Atomic Energy Commission. He returned to Caltech in 1946. Dr. Tolman died in 1948.

1930

L. Sprague de Camp has added a new book to his impressive list. *The Heroic Age of American Invention* was published last month by Doubleday & Company.

1932

John A. Leermakers, PhD, is now associate director of the Kodak Research Laboratories in Rochester, N.Y. He has been assistant director since 1947. John joined Kodak as a chemist in 1934. The Leermakers have three sons.

Myron L. Crater, chief steam power plant engineer for the city of Glendale, died on February 24 of septicemia and arthritis of the hip. He leaves his wife and two daughters, Marjorie Rusler and Margaret Crater, and his brother, Wilbur D. Crater, BS '42.

1933

Dwight O. North, PhD, fellow on the technical staff of the RCA Laboratories

continued on page 32

Engineering and Science

THE



MOST IMPORTANT FACTORS

*in your
working
life*

The 6 most important factors in your working life are your 5 skilled fingers and your A.W.FABER-CASTELL #9000 Drawing Pencil.

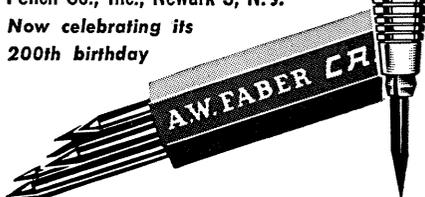
You may prefer LOCKTITE #9800SG Tel-A-Grade lead holder with CASTELL #9030 Drawing Leads.

We are strictly impartial. You be the sole judge. In either case you will get graphite-saturated lines that won't flake, feather or burn out—black, bold image density, crisply opaque, for clean, sharp prints. 20 rigidly controlled degrees, 8B to 10H, each as precise as a machine tool. LOCKTITE Tel-A-Grade, with its finger-comforting grip, carries an ironclad 2-year guarantee from A.W.FABER-CASTELL. Pick up your selection at your college store today.

A.W.FABER-CASTELL

Pencil Co., Inc., Newark 3, N. J.

Now celebrating its
200th birthday



Personals . . . continued

in New York, is the recipient of the David Sarnoff Outstanding Achievement Award in Science for "his insight in interpreting the role of a theorist at the RCA Laboratories and for resourcefulness in translating theory into practical results." The award consists of a gold medal, a citation and a cash prize.

1934

Paul Dane, AE '41, is now vice president of a new company, Science Management Corporation, in Denver. He was formerly senior military member of the advisory group for aeronautical research and development at the North Atlantic Treaty Organization headquarters in Paris. Paul was also responsible for the establishment and development of the department of thermodynamics at the Air Force Academy in Colorado Springs.

1943

Ralph G. H. Siu, PhD, technical director of research and development in the research and engineering division of the Office of the Quartermaster General of the U. S. Army, received a Career Service Award from the National Civil Service League on March 21 in Washington, D.C. The awards are given to Federal employees for competence, character, and outstanding achievement. Ralph is considered the key scientist in the radiation preservation of foods. He has served as a technical advisor to the Congressional Panel on the Peaceful Uses of Atomic Energy, and to the National Academy of Sciences.

1944

Knox T. Millsaps, PhD, chief scientist of the Air Force Research Division and executive director of the Air Force Office of Scientific Research, recently received the Arthur S. Flemming Award which is given to outstanding civil servants in technical or scientific fields.

Floyd W. Preston writes from the University of Kansas where he is associate professor of petroleum engineering, that:

"We left Venezuela in January after a stay of two years. During this stay I was a consultant to the Oficina Tecnica de Hidrocarburos of the Ministry of Mines and Hydrocarbons of the Venezuelan Government. At this time I was developing a series of engineering programs for the digital computer in the Ministry. Living in Venezuela was expensive but very enjoyable. The climate is one of the most wonderful in the world. Our four sons enjoyed their stay immensely."

"The date, January 20, is also a memorable one for us because on that day we boarded the ship *Santa Maria* and spent 14 days aboard on its wanderings

through the South Atlantic, instead of the scheduled four. Many of our possessions still are on board the ship and we will return to Miami soon to recover them."

Enrique Silgado, MS, is professor of geophysics at the University of Lima in Peru, where he received his PhD in 1959. The Silgados have added a son to their family.

David R. Jones is group supervisor at the California Research Corporation in charge of diesel engine lubricating oil development projects. He writes that he now has six children: boy, 15; boy, 14; girl, 10; girl, 9; girl, 7; and boy, 21 months.

1947

Lt. Col. George R. Vanden Heuvel, MS, assistant for installation and check-out at the directorate of ballistic missiles of the U.S. Air Force in Inglewood, has been awarded the Air Force Commendation Medal for exceptionally meritorious conduct in the performance of outstanding service. The Vanden Heuvels have four children; George, 19; David, 16; Christopher, 12; and Cynthia, 10.

Robert Belyea, treasurer of the Belyea Company, Inc., in New Jersey, has also been vice president of the school board and is now a member of the planning board. The Belyeas have three daughters: Marie, 13; Wendy, 11; and Carolyn, 6. Bob also has a small farm of 20 acres for the benefit of his two horses.

1949

David Liberman, PhD '55, staff member of the Los Alamos Scientific Laboratory, writes that he was married on February 4 to Mrs. Elisabeth Settlege.

1954

John C. Day is a senior methods programmer on 709 and 7090 computers for the applied programming department of the IBM corporation in New York City. He writes: "My wife and I have spent most of this past winter raising our two girls (Debbie, 5, and Kathy, 3), attending Methodist church activities, and digging out of one snowstorm after another. Having learned our lesson, we hope to return to Southern California at the end of this year."

1958

Lawrence Kittiver, MS, who is on the technical staff at the Hughes Aircraft Company, writes that he now has three daughters.

1959

Charles Ranunkel, MS, is now working as a sales engineer for Minneapolis Honeywell's French subsidiary in Paris.