1918

H. Darwin Kirshman, M.S. '19, Ph.D. '29, has joined the technical staff of Truesdail Laboratories in Los Angeles as a research chemist. He had been serving as a lecturer in chemistry at the University of California.

1922

Harold R. Harris, Pan American's chief of Atlantic operations, will become president of Northwest Airlines on January 1, 1953. We can thank Time Magazine for the most detailed account of Hal's activities since his graduation. The October 20 issue says: "A graduate of Caltech and a World War I flyer, Hal Harris was made chief Army test pilot after the war. In 1922, when the wings of a plane he was flying dropped off in mid-air, he became the first Army pilot to parachute to safety from a disabled plane. Harris racked up 13 air records, test-piloted the first big U.S. bomber in 1922, the six-engine Barling. In 1926 he went to Peru, and flew crop-dusting planes, later became vice president and general manager of Peruvian Airways and from 1929-42 was operations manager of Panagra. Made a brigadier general in World War II, he bossed the training and domestic operations of the Air Transport Command, later managed operations for American Overseas Airlines until it merged with Pan Am in 1950."

1924

Roy O. Elmore writes that his daughter, Sally Ann, married Carroll R. Lindholm '51, on July 6. Carroll is working for Motorola as a field engineer in the Chicago office.

1925

Albert Chapman and his family returned to the States from Venezuela in the spring of 1950 after over four years there. He joined the Plant Engineering Office of the Ford Motor Company Manufacturing Staff as staff mechanical engineer, and in February, 1952, was appointed manager of the engineering and planning department. This department has the responsibility for all Ford Motor Company new construction, and staff supervision over plant engineering.

1926

Bruno R. Schubarum died of a heart ailment near Estes Park, Colorado, on June 11. Bruno was elected early this year to the presidency of the Carl B. King Drilling Company in Midland, Texas.

1927

Layton Stanton, Ph.D. '31, in charge of geological work for the Union Oil Company in the Sacramento area, christened a new swimming pool at his Sacramento home on Sunday, September 21. Before the day was over, about 20 Tech alumni and their wives had tried out the new pool—including Tracy Atherton '25, Mervia Schuhart '32, Homer Scott '23, Luther Eastman '28, E. S. Ida '46, Richard Silverstone '41, M.S. '42 H. T. Nies '23, Fred Groat '24, Layton Stanton '27, Ph.D. '31, and Prof. Royal W. Sorensen.

1928

Walter H. Righter has been president of the L.A. Pneumatic Company, Inc. for about a year. It's a job machine shop and also does development engineering in pneumatic and hydraulic fields. Walt says he still has the same wife, an older daughter who was married this year, and another daughter who is going to the University of Redlands.

Russell J. Lore, formerly vice president of Standard Steel Corporation, is now chief consulting engineer at the Naval Ordnance Test Station in Pasadena. His son James was graduated from Stanford in June. His daughter Patti was mar-
ried in June to Jerry E. Bryant, Jr. of Deerfield, Illinois. Both had attended the University of Arizona at Tucson.

Martin E. Nordberg, Ph.D., research chemist of the Corning Glass Works, was awarded a John Price Wetherill Medal by the Franklin Institute of Philadelphia on October 15. With Harrison P. Hood, also a research chemist at Corning, Dr. Nordberg was honored for the discovery of a new process for manufacturing glass. He has been with Corning since 1929.

1929

Ernest B. Hugg, M.S. '30, has a baby daughter, Beverly Linda—born April 6, 1952. Ernie, who is Assistant Superintendent of Buildings and Grounds at Caltech, is also president of the Caltech Employees Federal Credit Union, which now has deposits of over $250,000.

1930

Tom G. Bernhardi was one of 47 business men to receive a Master of Business Administration from the University of Chicago in June. Tom graduated with a record of 11 A's and one B. He is working as chief engineer in the process division of the Whiting Corp.

1931

Stephen C. Darman has left the Shell Oil Company in Modesto, where he was Senior Entomologist, and will continue research with the Stauffer Chemical Company in Mountain View, Calif., on agricultural applications of chemicals.

Myron L. Crater has been Chief Plant Engineer of the City of Glendale, California, for eleven years. He is married and has two daughters, Marjorie and Margaret.

1933

J. Stanley Johnson, M.S. '34, writes that the Holly Manufacturing Company, of which he is president, has been collaborating with the Coleman Engineering Company (Ted Coleman '26) under the joint-venture name of Holly-Coleman Company. The company is set up to produce aircraft starters for the Navy. Their sample starters, Stan says, broke a record of long standing by being accepted without any changes whatsoever.

Charles D. Perrine, Jr., was appointed assistant division manager of Convair's Guided Missile Division in Pomona recently. He joined Convair in October, 1950, as staff assistant in the San Diego Division electronics and guidance section. Before coming to Convair, Charlie was manager of the electronics department of the Fairchild Engine and Airplane Corporation's guided missiles division in Farmingdale, New York.

1934

Glenn W. Weaver has been with the Research and Development Laboratories of the Hughes Aircraft Company at Culver City for the past year. At present he is Assistant Head of the Computers and Controls Department of the Guided Missile Laboratories.

1935

Donald C. Webster left the Naval Ordnance Test Station in Pasadena in January, 1951, to become chief engineer of Librascope, Inc. in Glendale. But the big news, Don says, is that he just traded the old Ford in on an MG. Driving an MG is an experience which he recommends to all old grads who need to relax.

John B. Higley dropped by the campus this fall while on a one-month visit with his family in this area. He's living in Newton Center, Mass., and works as Section Head of the Engineering Division of the American Machine and Foundry Co. in Boston.

1937

John W. George has been transferred to the New York offices of the Union Carbide & Carbon Corp., after 12 years in the field with Carbide's mining subsidiary, United States Vanadium Co. He's now Assistant Manager of Carbide's Personnel Department.

1938

Newman A. Hall, Ph.D., is on leave from the University of Minnesota this year, serving as Director of the Division of Engineering Sciences of the Officer of Ordnance Research.

1939

David H. Scott, supervisor of the Texas Co.'s geophysical operations in the Pacific Coast division, producing department, has been transferred to the Houston geophysical office as head of the gravity staff.

1940

Bob Wallace, Ph.D. '46, announced the arrival of a son, Alan Ryan, on August 25, 1952.

Herbert Worcester, Jr., is still chief engineer for the Pacific Wire Rope Company in Los Angeles. He has two children—Jim, 3½, and Jane, 2.

Frank Dessel, M.S. '43, and his wife gave a cocktail party for Lloyd Goodman- son, '40, M.S. '41, and Elmore Goodmon son last August 17 at their home in San Marino. Over 100 Caltech alumni and their wives came—mostly from the classes of '39 and '40. The Goodmansons were

CONTINUED ON PAGE 54
visiting here from Seattle, Lloyd and Frank were roommates in Ricketts.

Kiyo Tomiyasu has been promoted to engineering section head for microwave research at the Sperry Gyroscope Company. In 1941, Kiyo received his M.S. degree from Columbia, and after studying briefly at Stanford University under a Low Scholarship, he was self-employed. In 1944, he entered Harvard University to continue graduate work under a Gordon McKay scholarship for two years. He then served as a teaching fellow for one year and a research assistant for another year. After receiving his Ph.D. in 1948 he served a year as an instructor at Harvard before going to Sperry. Since joining Sperry he has been occupied chiefly in microwave spectroscopy as well as in research and development of wave-guide components for radar systems.

1941

William J. Wagner still works for the Shell Oil Company, but has been transferred from Long Beach to Ventura, Calif. Delbert D. Thomas has a new position with Matheson Chemical Company which has taken him to Niagara Falls, New York. Harold K. Fink, M.S., has moved from Poway, Calif. to La Jolla, where he is a psychoanalytic psychotherapist.

1942

Lieut. Thomas G. Atkinson was recalled to duty in the Navy in May, 1951, and is at present assigned to construction contract administration duty at NAS Miramar, San Diego, Calif. He expects to follow his former occupation in structural engineering or related fields when and if he is released next year.

Peter L. Nichols, Jr., Ph.D., has been employed by JPL since June of 1950. Herbert G. Osborne spent the summer as a resident engineer at the Laguna Canyon storm drain for the Orange County Flood Control District.

Carol M. Veronda has been promoted to engineering section head for high power klystrons in the Sperry Gyroscope Company. Carol joined Sperry in 1948 as a project engineer and in 1950 became senior project engineer.

1943

M. Curtis Smith, M.S., '46, has been working at JPL since June, 1951. The Smiths built a new home in Flintridge, and moved in last July. Their first offspring—a boy named Craig Curtis—arrived last May 27.

1944

William P. Bair and Barbara Bostwick were married on August 23 in St. Edmund's Episcopal Church in San Marino. Barbara is a graduate of Occidental College and worked as a research assistant at Caltech's Arcadia Farm under Dr. E. G. Anderson. Bill is teaching mathematics at Wilson Junior High School in Pasadena, and doing graduate work at Occidental.

Richard A. Hudson won a Fulbright Scholarship to study pipe organ for a year at the University of Amsterdam. The scholarship includes return passage, tuition and maintenance while pursuing his studies. Dick sailed on August 1.

Phillip L. Adams was married on September 6 to a Sarah Lawrence graduate (no name given) whom he met in Paris. They are living in Orleans, France.


Donald T. Greenwood, M.S., '48, Ph.D. '51, is working at Lockheed Aircraft in Burbank. His job is the operation of analog computers.

John O. Nigra, M.S., has been appointed Associate Professor of Geology.

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RALPH B. ATKINSON '30
at the College of Arts and Sciences of Tulane University in New Orleans. He recently resigned as research geologist for the Arabian American Oil Company in New York City.

Rev. Albert O. Klein, recently graduated from the Fuller Theological Seminary, was married this summer to Carol Moore of Pasadena. The Kleins are now making their home in Sacramento.

1947

Arthur S. Bolles has been employed by "Aramco" in Dhahran, Saudi-Arabia, since 1948. In November, 1950, he married Marjorie Williams of Chicago, a graduate of Illinois Wesleyan, who was employed recently resigned as research geologist for New York City. Moore of Pasadena. The Kleins are now making their home in Sacramento.

Robert L. Fisher is working toward a Ph.D. in oceanography at Scripps Institution of Oceanography in La Jolla. He spent the summer months largely aboard a ship off the coast of Mexico and Central America studying foredeeps. He plans to leave in November on a three-month trip to the South Central Pacific.

Philip R. Coatrath was killed in an automobile accident on August 17. Since graduation, Phil had been an aeronautical engineer with the McDonnell Aircraft Corporation in St. Louis.

1949

Don Six married Ruth Ann DeKemper of Mount Vernon, Indiana, last July. Ruth is a graduate of the University of Indiana. The Sixes are living in Walnut Creek, Calif.

Don Hibbard has been transferred by the Army from AEC's Nevada Proving Ground near Las Vegas to Washington, D.C. In Nevada he and another G.I. geologist were assigned the job of mapping the geology of the area, and they are now writing up the report during their last days in the Army.

This month the Hibbards plan to leave on a one or two-month vacation in Mexico City and Yucatan. On his return, Don will go to work with an oil company.

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Roy W. Gould married Ethel (Bunny) Stratton on August 23 in a garden wedding at the home of the bride's parents in Pasadena. Bunny is an alumna of Westridge and Vassar. Caltech alumni serving as ushers were Edward DuFort '49, best man, and Phil Lamson '48, and Hugh Carter '49.

1950

Dean A. Raines, M.S., '51, is doing graduate work at Caltech on a Guggenheim Jet Propulsion Fellowship. His fellowship was one of nine made at Caltech to "train young men for basic research and leadership in the development of commercial and scientific applications of jet and rocket propulsion." Dean, who is
ALUMNI CALENDAR

November 13
Oxy-Caltech
Kickoff Luncheon, Athenaeum

November 14
Open House, Dabney Hall of Humanities

January
Dinner Meeting, Long Beach area

February
Dinner Dance

March
Dinner Meeting

April
Santa Monica area Annual Seminar

May
Annual Dinner Meeting

June
Annual Family Picnic

CALTECH ATHLETIC SCHEDULE

VARSITY FOOTBALL

Nov. 14 4:15 p.m.
Whittier at Caltech

Nov. 21, 4:15 p.m.
Caltech at Pomona

FRIDAY EVENING DEMONSTRATION LECTURES

7:30 p.m.—201 Bridge

Nov. 7
"The Science of Fly Fishing"
by Professor W. W. Michael

Nov. 14
"Building to Withstand Earthquakes"
by Professor G. W. Housner

Nov. 21
"The Caltech Synchrotron"
by Professor R. F. Bacher

FROSH FOOTBALL

Nov. 15, 2:00 p.m.
Whittier at Caltech

CROSS COUNTRY

Nov. 7, 4:15 p.m.
Redlands at Caltech

PERSONALS . . . CONTINUED

working for his Ph.D. degree, is married and the father of a baby girl.

Peter Howell was married on June 15 to Gladys Fundstrom, a graduate in music from the University of Minnesota. Ralph Lovberg '50 was at the wedding and took pictures. Pete and his wife spent the summer at the Naval Ordnance Test Station in Inyokern where he researched for the Navy. He's now back at the University of Minnesota, working for a Ph.D. in physical chemistry and doing X-ray crystallography work.

1951

Burrie Bieler, M.S. '52, spent the summer in the Aleutian Islands working for the U. S. Geological Survey on a reconnaissance field mapping program. Now he's studying for his doctorate at Penn State College.

W. F. Sampson reports the arrival of a baby boy, William Frederick, on August 13. The Sampsons are living in Altadena, and Bill is working at JPL.

Robert DeGrasse was married in August to Marilyn Haglund of San Gabriel. Kyle Catterlin '52, was one of Bob's ushers for the event. The Degrasse now live in Los Angeles.

1952

Bill Wise and his wife Jacy, announced the arrival of a son, Lawrence Alan, on September 13. Bill and his family live in Palo Alto.

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