

SPACE TECHNOLOGY

During the past year members of our staff have published a number of significant papers in the following fields:

Electrodynamics
Nuclear Physics
Thermo-Nuclear Power
Magnetohydrodynamics
Solid State Physics
Communication Theory

A brochure listing these reprints may be obtained by directing your inquiries to Dr. Charles T. Morrow.

Space Technology Laboratories' role in the fields of Ballistic Missiles and Space Vehicles provides a medium through which scientists and engineers are able to direct their interests and abilities toward the solution of complex space age problems.

Inquiries regarding staff openings are invited. Write to Mr. James Benning.

*Space
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Personals

1923

Harold A. Barnett resigned as city engineer of the City of San Marino last month after 35 years of service. He hopes to devote more time to his private engineering practice (Barnett, Hopen and Smith) and also plans a trip back to his native Mississippi after an absence of 20 years. Hal will continue as city engineer for Gardena, a job he's held since 1930.

1928

Fred C. Lindvall, PhD, chairman of the division of engineering and aeronautics at Caltech, is one of ten men who have been selected by the staff of the Pacific Missile Range at Point Mugu (and approved by the Chief of the Bureau of Aeronautics in Washington) to act as members of the Pacific Missile Range Advisory Committee. The Committee will advise PMR personnel on the management and conduct of major programs in the defense establishment. Two other Caltech men were chosen as members of the committee; *C. C. Lauritsen*, PhD '29, professor of physics at Caltech; and *William B. McLean*, BS '35, MS '37, PhD '39, technical director of the Naval Ordnance Test Station at China Lake.

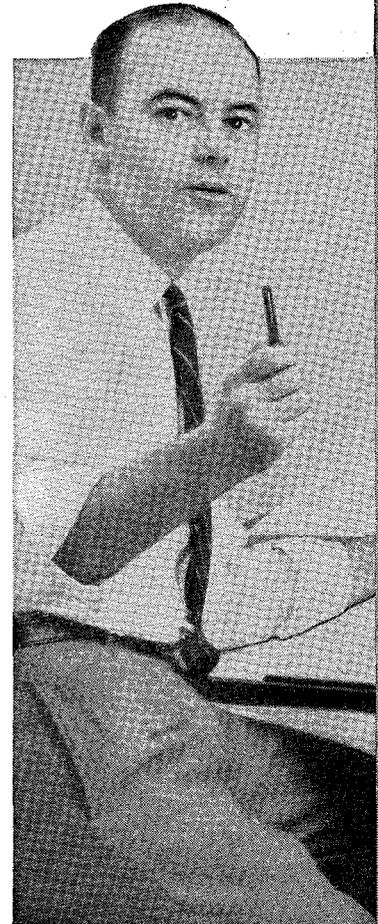
George T. Harness, PhD '33, associate dean of the school of engineering at the University of Southern California, has been nominated as a national vice president of the American Institute of Electrical Engineers, which assures his election for a two-year term, starting in August. George has been on the SC faculty since 1946.

Tomizo Suzuki writes from Japan that "after working for the U. S. Army as a civil engineer for seven years, I had to find a new position last spring due to ever changing international relations. I rejoined Hazama-Gumi, Ltd., in March 1958, and came to Miboro, Gifu Prefecture, where the company is building a huge rockfill dam with a sloping core on the Sho River, which empties into the Japan Sea. It is located in the northwestern part of Central Japan amidst rugged mountains where the rain and snow fall abundantly. In this region peculiar customs and culture endure due to long isolation from other parts of the country.

"The height of the Miboro Dam will be about 430 feet when it is completed, and the maximum electric power output will be 215,000 kw. We use up-to-date equipment with the technological assistance of the Guy F. Atkinson Company of South San Francisco. *Richard G. Rofelty*, '29, is the project manager of the company here at Miboro.

"With regard to my family—our

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Engineering and Science

daughter, a graduate of the Aoyama Gakuin University, will be married to a director of a chemical company in Tokyo this month — and my older son, who will graduate from the Law School of the Chuo (Central) University in Tokyo, plans to join the Matsushita Electric Appliance Manufacturing Company after graduation.

"Howard Nagashi, '29, MS '31, and his daughter, came to see the dam last May . . . My best regards to professors, friends and acquaintances in and around Pasadena."

1932

Kenneth H. Swart, MS '33, is vice president in charge of engineering as well as a director of the H. C. Smith Oil Tool Company in Compton. He's been with the company for four years. Ken has two sons: Kerry, a UCLA graduate, now at Fort Ord; and Ron, who is 10. Ken has a four-wheel-drive jeep which he uses to explore some of the almost inaccessible parts of the Mojave Desert and of Baja California.

1933

Harold Omsted, MS, chief structural engineer for the L. A. Board of Education, has been elected president of the Structural Engineers Association of Southern California. Other newly-elected officers include Cydnor M. Biddison, '40, structural engineer with Hillman & Nowell in Los Angeles, who is treasurer; and Jack N. Sparling, '33, vice president and chief engineer of Quinton Engineers, Ltd., in Los Angeles, who is first vice president.

Ammon S. Andes, MS, is now chairman of the department and professor of aeronautical engineering at the University of Kansas in Lawrence, where he has been teaching since 1946. "For the last 8 years I have worked every summer in industry," he writes, "spending last summer at Convair in Pomona, Calif. I also attended the I.A.S. summer meeting in Los Angeles and the American Society of Engineering Education's summer national meeting at Berkeley. I have two daughters; the oldest is now teaching art in Denver, Colorado."

1936

Chauncey W. Watt, Jr., writes from Concord, Mass., that "although we returned to California for two years (1956-57) New England won out after all. Now at Raytheon as corporate director of engineering practices in Waltham, Mass. We love the lakes, rivers, green trees, and fields — and particularly like being able to see them, there being no smog here. My only daughter is 12 and in the 7th grade — and is a confirmed New Englander as well."

1937

Stanley Feuer, MS '38, president of

the Stanley Feuer Company in Los Angeles, writes that the company celebrated its 10th anniversary last month. "We are mechanical engineers and contractors," Stan writes, "and we specialize in design, sales, and installation of commercial and industrial heating and air conditioning systems. I have also been busy raising a family during the past six years. Margot and I have three boys — Zachary, Joshua and Mark."

1938

Sam Watson, Jr., is now in Abadan, South Iran, and is celebrating his 10th year as a geologist with The Texas Company. In that time he has traveled from Bakersfield, Calif., to Colorado (in uranium mining), to Lewiston, Montana (in oil); to Iran, where he is resident geologist at the Agha Jari Field. The Watsons have two children—Susan, 11, and Sammy, 9.

Howard S. Seifert, PhD, is now special assistant for professional development of Space Technology Laboratories, in Los Angeles. He was formerly a member of the firm's Astrovehicles Laboratory. The Seiferts have three children and live in Playa Del Rey.

Carlton L. Horine is process and project manager with the Collier Carbon and Chemical Corporation (formerly the Brea Chemical Corporation) in Brea, California. The Horines have a son and two daughters — all lively teen-agers.

1939

Warren E. Wilson, dean of the school of engineering at Pratt Institute in Brooklyn, N. Y., has been named chairman of the department of engineering at Harvey Mudd College in Claremont. He takes on his new duties next fall.

Frank E. McCreery is vice president of engineering at the Rohr Aircraft Corporation in Chula Vista. He has three sons — Jim, 4, Bill, 3, and Doug, 2.

Robert H. Widmer is now chief engineer for technical design at Convair, a division of the General Dynamics Corporation, in Fort Worth, Texas. He has been with the company since 1939. He is married and has two children.

Calvin A. Gongwer, MS, is now manager of the new anti-submarine warfare division of the Aerojet-General Corporation in Azusa. He was formerly head of the company's systems and underwater engine divisions.

1944

Robert J. Parks, chief of the department of guidance and electronics at JPL, was named La Canada's "Man of the Year" last month. He received a plaque and honorary membership in the La Canada Kiwanis Club. Bob was given the award for contributions made by his

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Section B.



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Personals . . . continued

group in pioneering electronic developments in missiles and rockets, and for his leadership in the development of the Sergeant guided missile. Bob and his wife and three children live in La Canada.

Leon Trilling, AE '47, PhD '48, associate professor of fluid mechanics at MIT, was a member of the recent U.S. Mission on Engineering Education to the USSR — whose chairman was *Fred Lindvall*, PhD '28, chairman of Caltech's division of civil, electrical and mechanical engineering and aeronautics. Secretary of the Mission was *Newman Hall*, PhD '38, chairman of the mechanical engineering department at Yale.

Dean A. Naldrett, MS '44, died last September 22 of bulbar polio. He was superintendent of the Anchor Bay Schools in New Baltimore, Michigan. Dean is survived by his wife, Ilah, and four children — Sherrel, Phyllis, Alan and Ronald.

1947

Joseph Rosener, Jr., is now the owner of the Empcor Corporation in Burbank, one of the southwest's leading suppliers of etched circuits. Joe will be president and general manager. He had been with the G. M. Giannini Company for the

past four years. The Roseners and their three children (ages 6, 4 and 2) live in Pasadena.

1949

Theodore W. Rose is now a senior research engineer at Rocketdyne in Canoga Park. His work involves the development of propellant values for large liquid fuel rocket engines. The Roses have two children — a daughter, 5 and a son, 8.

Samuel R. Hoffman, MS, reports that he is an elementary teacher in the Los Angeles City Schools, and also owner of the Camp Kinneret Day Camp in San Fernando. The Hoffmans have two sons, 5 and 7, and live in Reseda.

Dr. P. N. Leiderman, MS, is now a research psychiatrist and an instructor in psychiatry at Harvard Medical School in Cambridge, Mass. The Leidermans live in Waban, Mass., and have three children — Deborah, 4, Erica, 3, and Joshua, 1.

1951

Richard G. Brewer writes that he was "married in 1954 to Lillian Magidow and we are now four, with Emily almost 2, and Larry, 3. I enjoyed a two-year vacation at the Army Chemical Center as a draftee in 1955-57. I recently completed my PhD at UC in Berkeley. We

managed our first family camping trip by going to Sequoia National Forest last summer and this was followed by a hectic cross-country drive to New England where I am employed as an instructor in the Harvard chemistry department."

George J. Smith, MS, PhD '56, geologist with the U. S. Geological Survey in Menlo Park, announced the birth of his first child — a boy, Randall — on December 21.

1954

Albert Pitton, resident development engineer at Rocketdyne in Canoga Park, reports an addition to the family — Ann Catherine, born last June. Al is currently working on a rocket engine test stand at Santa Susana. Also seen on the premises, he writes, are *Dean C. Daily*, '51, *Bill Haighler*, '55, and *Dwight L. Dennis*, '56.

1958

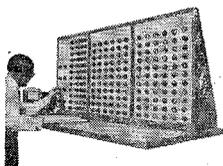
Lance Hays, Caltech graduate student, writes that his first child — Deborah Ann — was born on October 12.

Norman T. Ellett was married to Nancy Lee Freeman (Scripps '58) at Wayne, Illinois, in December. The Elletts are now living in Cambridge, Mass., where Norm is going to the Harvard Business School.

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