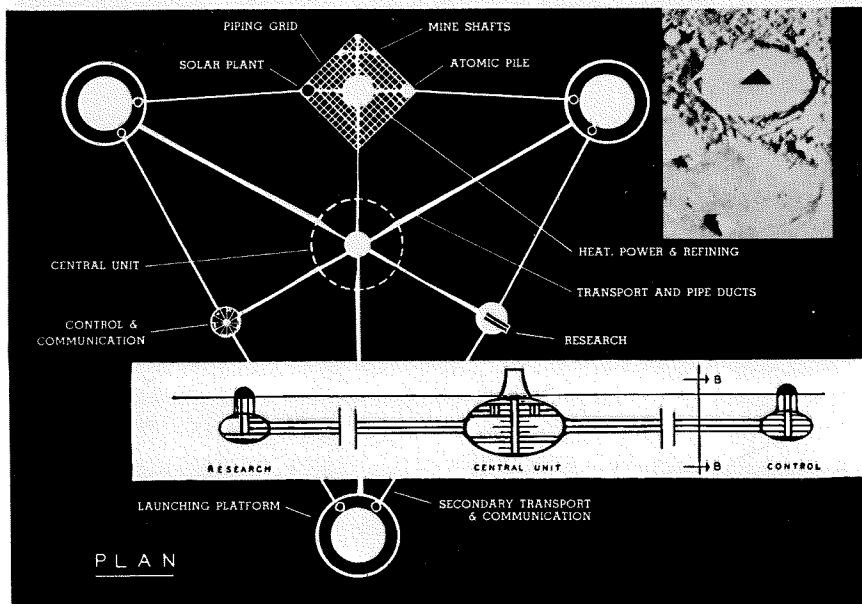


MARS outstanding design SERIES



lunar base

Tomorrow's realities depend on research and imagination today. Both were used extensively in the planning of this lunar base designed by William G. Harvey, Jr. to accommodate space ships and travelers. The suggested location is "Aristotle," one of the craters near the north pole of the moon. Most of the base is beneath ground level to minimize temperature changes. Living quarters are spacious and recreational facilities include a swimming pool and basketball court. Power is supplied by solar plants during the day and atomic pile at night. Research, living and working areas are joined by monorail subway.

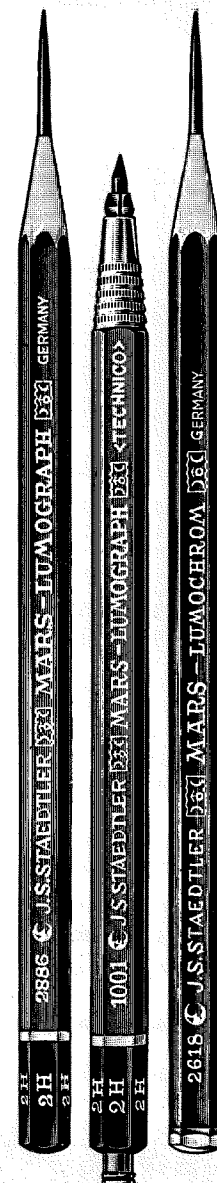
No one can be sure which of today's new ideas will become reality tomorrow. But it will be important then, as it is now, to use the best of tools when pencil and paper translate a dream into a project. And then, as now, there will be no finer tool than Mars—from sketch to working drawing.

Mars has long been the standard of professionals. To the famous line of Mars-Technico push-button holders and leads, Mars-Lumograph pencils, and Tradition-Aquarell painting pencils, have recently been added these new products: the Mars Pocket-Technico for field use; the efficient Mars lead sharpener and "Draftsman's" Pencil Sharpener with the adjustable point-length feature; and—last but not least—the Mars-Lumochrom, the new colored drafting pencil which offers revolutionary drafting advantages. The fact that it blueprints perfectly is just one of its many important features.

The 2886 Mars-Lumograph drawing pencil, 19 degrees, EXEXB to 9H. The 1001 Mars-Technico push-button lead holder. 1904 Mars-Lumograph imported leads, 18 degrees, EXB to 9H. Mars-Lumochrom colored drafting pencil, 24 colors.

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Personals

1918

Gene B. Heywood writes from Chicago: "My former firm of Harris, Hall & Co. (investment banking), of which I was executive vice president and director, merged in 1953 with Dean Witter & Co., and I took charge of the corporate buying department of that firm in the Midwest. Subsequently I became a limited partner. I have been a director of the McGraw-Edison Company for some years and recently became a director of the Southern Nevada Telephone Company."

1923

Douglas A. Stromsoe, manager of the Southern Pipe & Casing Company in Azusa, has now been named president and general manager of the company.

1924

Vladimir A. Kalichevsky died on February 5 from a self-inflicted gunshot wound. He had been a consulting engineer for the Magnolia Petroleum Company in Beaumont, Texas, since 1944.

Loys Griswold writes that he's still manager of the central district in General Electric's apparatus sales division—and that Ed Thayer '25 (who is vice president and advertising director of The Oil Daily) now lives in his town, Wilmette, Illinois.

1929

James W. Dunham, after four years with the Ralph M. Parsons Company, is now back in the civil service—this time with the State of California in the harbor engineering field. All of the Dunhams have moved to Sacramento except son Doug, who is now a sophomore at Caltech.

1930

David W. Scharf, MS '32, wrote Larry Bolles, '31, the following news which Larry has transmitted to E&S: "We came to Italy in 1955 after six months in Morocco, where I was party-chief of a seismograph crew for Ind. Exploration Company. We spent several interesting months in the interior among the Arabs. Here in Italy I am party-chief of a seismograph crew for the Western Geophysical Company. (Their main office is in L.A.) They have several crews here, but the only American personnel are the party-chiefs. All the others are Italian. We have just moved to Pescara, a city of about 100,000 population on the east coast of Italy (between the calf and spur of the boot) after spending two years in Vasto, a small town on the coast about 50 miles south of Pescara. This region is called the Abruzzi. In a small

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Engineering|and|Science

Personals . . . continued

town like Vasto we sort of rough it, by American standards, but living conditions are somewhat better here in Pescara."

1933

Louis A. Pipes, MS '34, PhD '35, professor of engineering at UCLA, has been elected a Fellow in the Institute of Radio Engineers.

John R. Pierce, director in research of electrical communications for the Bell Telephone Laboratories, had an article on "Telephones, People and Machines" in the Jubilee issue of *The Atlantic* in December.

1935

William B. McLean, MS '37, PhD '39, technical director of the China Lake Naval Ordnance Test Station, received a special gold medal Presidential award for "exceptionally meritorious civil service to the Government" in ceremonies at the White House in Washington, D.C. recently. In 1946, he conceived the basic idea and directed the development of "The Sidewinder," an air-to-air guided missile which is said to have saved the Defense Department \$46,000,000 over other similar-use missiles in the first year of its production.

1936

Alexander Kossiakoff, assistant director of technical operations for the applied

physics laboratory at the Johns Hopkins University, received the Navy Distinguished Public Service Award in December for the predominant part he played in the development by the laboratory of the Terrier guided missile.

Frank W. Davis was named "Engineer of the Year" for 1957 by the Fort Worth Chapter of the Texas Society of Professional Engineers last month. Frank is chief engineer of Convair's Fort Worth division which built the supersonic B-58 bomber.

1939

George W. Sinclair died of a heart attack on February 11 at his home in Tucson, Arizona. He was 42. With the Hughes Aircraft Company since 1949, George had been manager of the Tucson plant since 1952. He leaves his widow and three children—George, Jr., 13, Zerilda, 11, and Rowena, 13 months.

Regarding George's death, John W. Black, '39, writes: "George left rather a large hole in the community, as a result of his personal activities as well as his position here at the plant. As a matter of much less interest, I will be taking his place as manager here."

1944

Robert J. Parks was named chief of the

Jet Propulsion Laboratory's guidance department in January. He's been working at JPL since 1947 and is director of the Sergeant project. The Sergeant is a new missile developed by JPL for the Army Field Forces.

Thomas L. Gilbert, MS '49, writes that "it's been ten years since I last saw the Caltech campus. In that time, I've accumulated three kids, a PhD, and a new job. I have a research appointment at Argonne National Laboratory in Illinois, which expires in August. Perhaps I'll be back on the coast to see some of you sometime this spring."

F. Miles Day, assistant trainmaster for the Pennsylvania Railroad in Dayton, Ohio, has been transferred to the position of supervisor of transportation engineering for the company in Indianapolis.

William L. Collins is now city clerk-manager in Zion, Illinois. The Collins' have three sons, one 5, one 4 and one 9 months old.

Richard N. Jasper writes from Alhambra: "So far as I know, *Francis E. McDonald, Jr.*, '44, and I are the only CE's of our class who have our own engineering offices going. Mac got started in about 1949 in San Gabriel and I have been on

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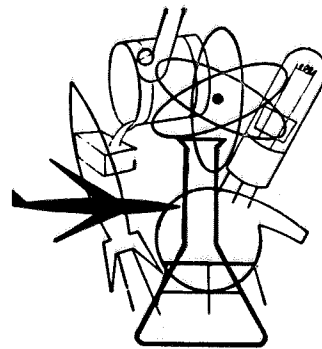
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Personals . . . continued

my own since 1954 in L.A. Floyd (Bobo) Weaver, '44, is in the same spot in Santa Ana—opened up on January 1, 1957. At last report, business was good in all 3 offices, despite the recession. Mac and I have been cutting our teeth on supermarkets lately—Bobo has been doing some thin shell design for an architect."

1947

Charoen Vadhanapanich, MS '48, returned to Bangkok last month to resume his duty as Lt. Commander in the Meteorological Department of the Royal Thai Navy. For the past three and a half years he has been doing graduate study in meteorology at the Florida State University and he received his PhD there in February.

Richard A. Boettcher, MS, has been busy moving and changing jobs. He writes: "My new job is with J. H. Pomeroy & Co., Inc., as a member of the staff concerned with business development and project engineering. We live in Altadena and have 2½ acres and a 40-50-year-old house with 13 rooms, 4 baths and a guest apartment. This place will tax my 'do-it-yourself' enthusiasm to the very fullest."

1949

John A. McPhate, staff member at the

Sandia Corporation in Albuquerque, died of a brain tumor on January 19, 1957 after an illness of only a few weeks, according to information just received.

Burton B. Rutkin, MS '50, is now an engineer in the mechanical and electrical engineering department of the Shell Development Company's Emeryville Research Center in California.

Milton B. Carus writes that: "We now have two children: Andre, 4½, and Christine, 5 months. It's fun to watch Andre growing up bilingually and to note the ease with which a child is able to learn two languages at once. (My wife is from Germany.)" Blouke is a development engineer with the Carus Chemical Company in La Salle, Ill., currently working on the process for potassium permanganate.

1950

Nathan H. Koenig, PhD, a chemist with the Agricultural Research Service of the U.S. Department of Agriculture, was recently transferred from the Eastern Regional Laboratory in Philadelphia to the Western Laboratory in Albany, California. Nate is engaged in research on wool proteins.

1953

James R. Kliegel was married to Mar-

garet Meaney on February 2 in Berkeley. Jim received his MS from UC in Berkeley last October and expects to receive his PhD in Science of Engineering this year.

Kim Hamberger is studying for his PhD at UC in Berkeley and writes that *Donald O. Emerson*, '53, is teaching in Davis; *Howard Shugart* '53 is teaching at Berkeley; and that *Thomas R. Slodowski*, '53, is now with American Overseas Petroleum, Ltd., in Tripoli, Libya. Tom's wife and daughter are with him in Libya.

1956

Byron Johnson, Jr., civil engineering assistant and planning commission secretary for the city of Azusa, has a son, Douglas Forbes, born last May.

Peter O. Lauritzen is now a graduate student at Stanford working for an MS in EE. In 1956-57 he was an associate evaluation engineer for the Minneapolis-Honeywell Regulator Company in Rock Island, Illinois.

1957

Viktor Evtuhov, MS, of Pasadena, has received an RCA fellowship which includes full tuition costs, \$2100 toward his living expenses and \$750 as an unrestricted gift to Caltech.

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