

# Letters

Pasadena, California

EDITOR:

Your article on the successful flight of Ranger IX (*E&S* - April '65) leaves readers with the impression that, now that JPL has provided home television viewers with pictures of Ranger's approach to the moon, it will "repeat this spectacular feat by providing home viewers with surface pictures of Mars, transmitted by the Mariner spacecraft as it approaches the planet in July."

In that it takes 8 hours and 20 minutes to transmit one picture to earth, it will be impossible to screen them for the home viewer as they are received. Actually it will take more than a week to receive all the pictures and process them. The pictures will be recorded on magnetic tape in the spacecraft as they are taken. The spacecraft will then be occulted by Mars and the tape will be

played back some 10 hours after occultation. It is interesting to note that the transmission distance for the pictures will be in excess of 135,000,000 miles.

FRANK BRISTOW  
*Public Education, JPL*

April 24, 1965  
*San Marino, California*

GENTLEMEN:

Frederick Bedell Burt '48  
April 18, 1925 - April 19, 1965

The flags are at half-mast today at the University of California, Los Angeles, where our son, Fred, was recently advanced to the newly created position of Assistant Research Professor of Surgery/Urology.

The light was turned out on his desk where he would prepare no more bril-

liant medical papers. Forty years and a day seem all too short a life. However, as his colleague of a dozen years, Dr. Bruce Belt, said in tribute: "Fred was a skillful surgeon, a dedicated worker, a careful student. His research was creative and original. His discovery of a way to grow bits of human cancer in hamsters may enable us to test the ability of a wide variety of drugs to destroy a particular cancer from a particular patient. This is his immortal progeny for the benefit of all men. He was loved with faith, with loyalty, with a beautiful love."

Ulla, Eleanor and I are proud that his colleagues are establishing a Frederick Bedell Burt Medical Foundation to carry on his work. Contributions are being accepted by Dean Sherman M. Mellinkoff, School of Medicine, University of California, Los Angeles.

ROBERT C. BURT '26

# Personals

1915

HAROLD A. BLACK writes that he and his wife are enjoying their new home at Wesley Palms, the Methodist retirement home in Pacific Beach, Calif. Last summer the Blacks made a 31,000-mile trip to Africa, visiting a number of missionary centers there, including Albert Schweitzer's Lambaréné.

1921

EDWARD L. CHAMPION, retired consultant for Gibbs & Hill, Inc., consulting engineers of New York City, died May 1 in Pasadena. He was vice president of the company from 1940 until his retirement in 1960, coming to the West Coast to direct the company's western activities in 1950. He is survived by his wife, Evelyn; a son, Edward, of Temple City; a daughter, Mrs. Dorothy Willis of Fresno; and four grandchildren.

1924

HOWARD M. WINEGARDEN, MS '27, PhD '31, has retired after 40 years at the Cutter Laboratories in Berkeley, where he was in charge of the research division.

1925

EDGAR M. DeREMÉR, vice president of La Jolla Properties, Inc., died early last month in La Jolla following a short illness.

He had been a project engineer for the Fluor Construction Company, and also had worked with the Southern California Gas Company.

1928

DOUGLAS G. KINGMAN, MS '29, has retired to his avocado grove in Poway, Calif., after 34 years with the Mobil Oil Co. and its predecessor, the General Petroleum Corp.

1932

WILLIAM C. ROCKEFELLER, MS '34, is vice president of SoniCo, Inc., a subsidiary of the Shell Oil Co. in San Diego, engaged in research and development on various phases of sonic devices. The company's principal product at this time is a sonic pile driver invented by ALBERT G. BODINE, '36.

1933

TED S. MITCHEL writes that he has now fully recovered from a mild coronary suffered last fall and has returned to his job as manager of technical recruitment, covering the eastern United States for the Shell Companies, with headquarters in New York City.

1935

ARTHUR N. ETZ, general engineering

contractor, is currently engaged in resort development and subdivision work. He is chairman of a 4-County Development Committee appointed by the supervisors of Kern, Los Angeles, San Bernardino, and Inyo counties. The Etz's live in Palm-dale, California.

1936

PAUL J. SCHNEIDER, MD, is now chief of plastic surgery at the Herrick, Merrick, and Children's hospitals in the San Francisco area.

E. MORTON HOLLAND writes: "As far as I know I am the only alumnus to have gone so far astray as to become a representative with a New York Stock Exchange member firm (A. G. Edwards & Sons)."

1937

JOHN HOWARD BLUE, Lieutenant Colonel, U.S. Marine Corps (Retired), was a candidate last month for his MS degree from Rollins College in Winter Park, Florida.

1938

SAMUEL E. WATSON, JR., senior geologist with the Iranian Oil Exploration and Producing Company in Tehran, has been transferred by his home company, Tex-