

Surveying A By-Pass



Security Bank Buys Torrance School Bonds

Security First National Bank purchased \$2,000,000 worth of Torrance Unified School District Bonds at a sale of the securities before the Los Angeles County Board of Supervisors.

The firm offered an interest rate of 3 1/2 per cent and payment of \$1751 premium.

According to Supervisor Burton W. Chace the premium payment will reduce the interest rate to a net of 3.49 per cent.

According to the Supervisor funds realized by the school district from the bond sale will be used for the construction of two new elementary schools, Hickory and Ladeene.

In addition, the district will add four rooms to each of the following elementary schools: Adams, Parkway, Riviera, Columbia.

The balance of the funds will be used to help finance the initial unit of West High School presently under construction.

Bipartisan Group Backs King Again

Congressman Cecil R. King, seeking his 10th term as representative of the 17th Congressional District, has again this year received endorsement of the Better Government League as "the best qualified candidate in the November 8th election."

This marks the fifth consecutive time the veteran legislator has received the endorsement of the Better Government League, a bi-partisan, non-profit organization, established in 1929.

Herbert Cameron, president of the group, notified Congressman King that "our organization has made a thorough investigation of your experience, background and qualifications to serve the people of your district, and have determined that you are the best qualified candidate in the November 8th election."

A special resolution passed by the Better Government League endorsing Congressman King, says, in part:

"We desire to give the voters in your district the benefit of our investigation and determination, and urge them to vote for your return to Congress."

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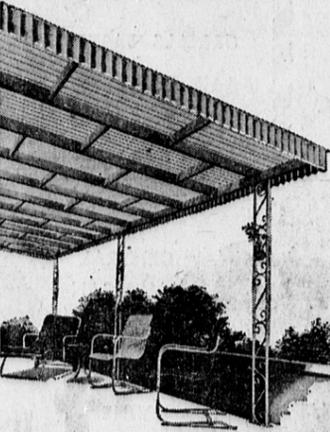
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Douglas Aircraft Forms Company For Exotic Propulsion Systems

Organization of a new corporation to conduct advanced research into the exotic propulsion systems that will power space vehicles of the future was announced Tuesday by the Douglas Aircraft Co. and a distinguished aerospace scientist.

Donald W. Douglas Jr., president of the aircraft firm, and Y.C. Lee, internationally-noted propulsion expert, said the new corporation — Astropower, Inc. — will be a subsidiary of Douglas and will be headed by Lee as president.

ASTROPOWER is an outgrowth of Aero-Space Technology, Inc., a corporation formed by Lee, fellow-scientist Dr. George Moe and engineering administrator E. W. Smith.

Operations of the new firm will be governed by a board of seven directors representing Douglas and the three founders of the original corporation. Douglas, by virtue of its stock holdings, owns a controlling interest in Astropower.

OFFICERS, in addition to Lee, include Dr. Moe as vice president and technical direc-

tor and Smith as vice president, administration. Douglas Jr. and Lee said Astropower programs will include research and development of specialized ultra-high energy propulsion systems in the nuclear, chemical, and electrical fields.

Electrical rocket propulsion systems work will include ion engines, heavy charged particle engines, and thermal arc plasma engines.

EXTENSIVE research and development projects involving solid-state devices and energy conversion equipment will be conducted by Astropower scientists, using advanced thermionic and thermoelectric techniques.

Participation of the Douglas Co. in the establishment of Astropower was described by Douglas Jr. as a diversification move "enlarging the Douglas scientific and engineering capability and strengthening its qualifications for the missile and space assignments of today and tomorrow."

ASTROPOWER, he said, not

only provides Douglas with a subsidiary in the propulsion technology but offers a capability complementing the company's traditional role as a developer of aircraft, missile and space vehicles.

Lee said it is expected that by the end of the first year of operation Astropower will have a staff of about 100 scientists, engineers and technicians developing propulsion systems for use by contractors and government agencies in many of the nation's major missile and space programs. Plans for facilities and equipment are being drawn up and will be announced later, he said.

LEE IS A veteran of 20 years experience in aero-space fields and is a consultant to the propulsion panel of the Scientific Advisory Board of the U. S. Air Force. He is also a member of the Research Advisory Committee on electrical energy systems, in NASA.

He began his aero-space career in 1941 as a structures and aerodynamics engineer at Consolidated Vultee Aircraft Corp. In 1947 he was selected to di-

rect the design and construction of a supersonic wind tunnel for the University of Southern California.

LEE JOINED the Aerojet-General Corp. in 1949 and was manager of its Advanced Research and Products Division at the time of his recent resignation. He is noted for his studies in the fields of advanced propulsion, high temperature materials, aerodynamics and combustion dynamics.

His professional society affiliations include the Institute of Aeronautical Sciences, American Rocket Society and the Research Society of America. Lee is an aeronautical engineering graduate of the California Institute of Technology.

DR. MOE is noted for his research in the space fields of electrical and chemical propulsion and in solid-state reactions. Since receiving his Ph.D. degree from the University of Rochester in 1950, he has been employed at Aerojet. In recent years he was technical director of the astronautics laboratory there.

Active in the Research So-

ciety of America, Dr. Moe also is a member of the American Chemical Society, American Physical Society and the American Assn. for the Advancement of Science.

Smith is a possessor of degrees in engineering geology from the University of Michigan, and in administration from University of Southern California. In 1956 he joined Aerojet where he has been assistant to the manager of the Advanced Research and Products Division.

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