## FIRST SCIENCE MEDAL 1963 Feb. 18 Star

# ation Honors Von Karman

By DAVID BARNETT North American Newspaper Alliance

Dr. Theodore von Karman, the first recipient of the National Medal of Science, is a composite of those seemingly contradictory characteristics that often signal the wellrounded man.

President Kennedy presents the award to the short, whitehaired scientist today. the first congressionally sanctioned recognition of the giants of American science. But the recipient is essentially a product of pre-World War I European civilization.

Dr. von Karman often fills the role of the absent-minded professor, leaving behind him a trail of forgotten papers, hats and coats.

But his sense of the pragmatic has stood the test of the American competitive system, With an initial investment of \$1,250, he organized Aerojet Engineering Corp. when United mathematics. States capitalists showed no/interest in rocketry. The company is now Aerojet-General written. Corp.; Dr. von Karman is its chief consultant and chairman

His place in the history books professor who founded the official secrecy. It is no secret, is securely based on the de-tyelopment of such esoteric ideas. After early training at the velopment of such esoteric ideas

But discuss Dr. von Karman leagues and he will speak with theory, which now forms part Since 1952, Dr. von Karman most feeling about evenings of the foundation for aero-has been chairman of the adsurrounded by cultural objects Aachen. profound significance."

ing knowledge of English, Hun- guns to air combat. garian, German, Spanish, Italian and Yiddish.

#### Aristocratic Birth



AP Photo DR. THEODORE VON KARMAN

"meat" of some 100 books and tion in science and engineer-professional papers he has ing."

Dr. von Karman, who will be
Dr. von Karman became a
82 next May, was born in the
United States citizen in 1936. of its technical advisory board intellectual aristocracy of the old Austro-Hungarian empire. His place in the history books professor who founded the

After early training at the sion Laboratory,

It was at Goettingen that United States in space with one of his intimate col- he began developing his vortex done there

### Came to United States

in this country tried to per-tiques, taking But the important things in suade Dr. von Karman to set-conversing with his friends and science that he wishes to com- tle in the United States. He thinking about such in-municate are put down mostly finally agreed in 1928 and be- triguing long-range ideas as in the international symbols of came a research associate at an anti-gravity force.

Technology Later he became director of Cal-Tech's Guggenheim Aeronautical Laboratories and its Jet Propulsion Laboratory.

He started the research on the Bell X-8, which became the first plane to break the sound barrier. He helped design the hydrodynamic systems for the Grand Coulee Dam and helped compute the optimum dimen-sions of the huge lens for Mount Palomar's telescope.

In 1941, he investigated the collapse in a high wind of the Tacoma Narrows Bridge and found that the builder had neglected to allow for the Karman vortex trail.

The citation for the medal of science award to Dr. von Karman reads: "For leadership in the science, and engineering basic to aeronautics, for distinguished counsel to armed services, and for pro-They form the moting international co-opera-

### Services Are Secret

Details of his "distinguished counsel" to United States armed forces are shrouded in as the Karman double-modulus theory of columns, the Karman Budapest, he took his doctorate similarity theory of turbulence, at the University of Goetand the Karman vortex trail.

with the bachelor at the scien-dynamics. He became director visory group for aeronautical tist's ranch house in Pasadena, of Germany's new aeronautic research and development of Calif. There, as one put it, institute at the University of NATO. He also manages to edit a scientific journal; act collected in travels around the During World War I, he was as scientific director, General world, the conversation turns a consultant to the builders Applied Science Laboratories, to art, philosophy, politics and of flying machines, Junkers and Inc.: director of the Internaother human affairs, and all Zeppelins. As a lieutenant in tional Academy of Astronautics, are given a fresher and more the Austro-Hungarian aviation and chairman of the board of ofound significance." corps, he helped develop the direction of the Training Cen-Dr. von Karman has a speak-system for adapting machine ter for Experimental Aerodynamics in Belgium.

The time not otherwise accounted for is spent on per-For years, academic circles sonal projects: Collecting an-