World Waits Anxiously Millions Watch America

ACROSS THE SEAS OF TIME AND SPACE — This painting, done for Dr. Hans K. Ziegler, deputy for science and Chief Scientist of the Army Electronics Command by the late B.H. Christenson, former staff artist at ECOM, is symbolic of the strides made by explorers through the ages. The primitive Viking ship which made its way through uncharted seas around the Earth is comparable to the ships of today making their way through the uncharted seas of space to effect a first landing on the distant Moon. These modern space-age miracles of today, no doubt will be considered primitive in the age of tomorrow.

Millions Of Americans Watch Historic Event

FORT MONMOUTH — Civilian and military personnel attached to this military installation joined millions of other Americans across the nation Sunday to watch the Apollo 11 astronauts and the historic moon-landing.

And for the first time, Alaskans joined the rest of the country to view major live TV coverage-interviews with the Apollo 11 astronauts, launch of the Apollo 11 spacecraft and the walk on the moon.

This innovation for Alaska was made possible by Army satellite communications terminals and an Air Force communications satellite.

Two satellite communications stations, one in Alaska and one in New Jersey, were tied into a military satellite communications network to carry Apollo 11 TV transmissions to Alaska. TV signals traveled from the NASA Space Center to the commercial television facilities and were "picked off the air" by the Engineering Test Facility at the Army SATCOM Agency here, then through the TACSAT I communications satellite to the SATCOM terminal in Anchorage, Alaska.

The Anchorage satellite communications station, an AN/TSC-54 terminal, was flown from SATCOM

(Continued on page 14)

Project Diana Sent, Received Moon Signal

FORT MONMOUTH — The Apollo 11 astronauts were the first men to set foot on the moon, but scientists from Fort Monmouth were the first to make contact with it more than 23 years ago.

On Jan. 10, 1946 Fort Monmouth engineers and scientists, directed by Lt. Col. John H. Dewitt, Jr., then director of what is now the Evans Area of the Army Electronics Command, sent a carefully timed radar pulse to the moon and

ies are now commonplace, and far more accurate than earlier optical measurements and calculations. They, and even more modern laser distance determination, are routinely used by planners of such trips as Apollo 11.

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IN JERSEY The home of the Gannett New Jersey Newspaper Group

December 20, 1999

Obituaries & Death Notices

HD: Dr. Hans K. Ziegler, 88, top Army scientist, space pioneer

Published in the Asbury Park Press

HD: Dr. Hans K. Ziegler, 88, top Army scientist, space pioneer (Begin Text)

NEPTUNE -- Dr. Hans K. Ziegler, 88, an ex-German scientist who played an important role in the U.S. space program and served as top scientist of the Army Signal Corps, died Saturday at Jersey Shore Medical Center, Neptune.

Until his retirement in 1977, Dr. Ziegler served for 30 years as an electronics engineer with Army research and development at Fort Monmouth, 12 of them in the top civilian position of chief scientist. At Fort Monmouth, he was scientific consultant, assistant director of research, director of the astro-electronics division, chief scientist, deputy for science and director of the Army Electronics Technology and Devices Laboratory.

He made significant contributions to military electronics, particularly to early phases of the U.S. space program. One of his key achievements was directing the development of solar power cells for satellites and then persuading officials to use the new technology. He participated in the early Explorer I and Vanguard satellite projects; Score, the first communications satellite; Tiros I and II, predecessors of today's weather satellites; and Courier, the first communications satellite with the capacity to record and transmit long messages.

In 1963 he received a Meritorious Civil Service Award from the Department of the Army, which cited him as a pioneer in communications satellites and solar energy systems to power satellites. At his retirement, he was decorated with the Army's highest award for exceptional civilian service.

Dr. Ziegler represented the Army and the United States in many national and international boards and committees, and was a member and officer of major professional associations, which recognized him with life fellowships and numerous awards. He was a U.S. delegate of the Academy of Sciences to the conference of the International Geophysical Year (IGY) in Moscow in 1958 and in 1964 reviewed research activities in Antarctica, including the South Pole, under the auspices of the National Science Foundation.

He was a prolific author of technical publications and frequent speaker and lecturer at national professional, academic and community affairs in the United States and abroad. His biographical data have been published in "Who's Who in the World," and in numerous biographical dictionaries. He was a communicant of St. Mary's Roman Catholic Church, Colts Neck.

Born in Munich, Germany, he received all his degrees and started his career as assistant professor at the Technical University of Munich. After 10 years as a research engineer with German industry, where he helped develop electronic fuses for artillery shells, he came to the United States in 1947 under a congressionally approved program to recruit German scientists. He became a U.S. citizen in 1954. He lived in West End, Long Branch, West Long Branch, Elberon, Long Branch, and in Colts Neck before moving to Neptune.

His wife, Friederika, died in 1994. Surviving are a son, Hans P. Ziegler of New York; two daughters, Frederica Z. Meindl of Marrietta, Ga., and Christine M. Griffith of San Jose, Calif.; eight grandchildren; and one great-grandchild.

A private funeral Mass was held Tuesday at St. Mary's Church, Colts Neck. Interment followed in St. Gabriel's Cemetery, Marlboro. The Holmdel Funeral Home,

Holmdel, was in charge of arrangements.

from the Asbury Park Press.
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DR. HANS K. ZIEGLER

Present Position: Chief Scientist, U.S. Army Electronics Command

Education: B.S. 1932 (All in Electrical Engineering.
M.S. 1934 (All from the Technical University,
Ph.D. 1936 (Munich, Germany.

Previous Positions:

Chief Scientist & Technical Director, U.S.ArmyElectronics Research & Development Laboratories
Director, Astro-Electronics Division, U.S. Army Signal Research & Development Agency
Assistant Director of Research, Signal Corps Engineering Laboratories
Assistant to the Director of Research, Signal Corps Engineering Laboratories
Scientific Consultant, Components Department,Signal Corps Engineering Laboratories
Chief R&D andVice President of RIG (German industrial concern - military electronics)
Assistant Professor,Electrical Engineering, Technical University, Munich, Germany

Membership in Professional Socities:

Institute of Electrical & Electronic Engineers, (Fellow)
Professional Group on Military Electronics (Member, Administrative Committee)
American Astronautical Society (Fellow) (Directorof Northern New Jersey Subsection of AAS)
Armed Forces Communications & Electronics Association (Member, Board of Directors, Past President of Ft. Monmouth Chapter)

Fields of Professional Interest:

Research and development in electrical and electronics field, particularly in military electronics (components, communications, surveillance)
Space electronics (major responsibilities for early space accomplieh-ments: VANGUARD I, SCORE, VANGUARD II, TIROS, COURIER)

ZIEGLER, HANS K.

Dr. Hans K. Ziegler, the Director of the Electronics Technology and Devices Laboratory retired from Government service effective the end of February 1976. Pending the selection of a suitable replacement, the ECOM rehired Dr. Ziegler as a re-employed annuitant.

"Dr. Ziegler head of ECOM lab; Army space pioneer retires," The Mammoth Message, 3 Mar 76, p. 3.

ASBURY PARK PRESS DEC. 16, 1999

Dr. Hans K. Ziegler, 88, top Army scientist, space pioneer

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