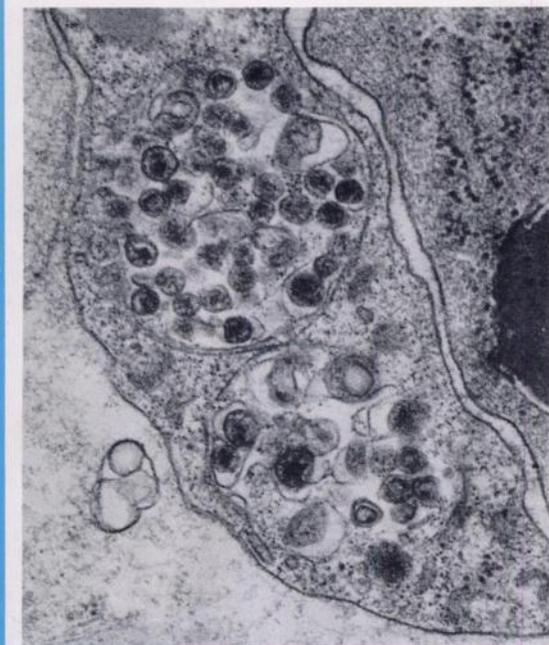




Cancer Research

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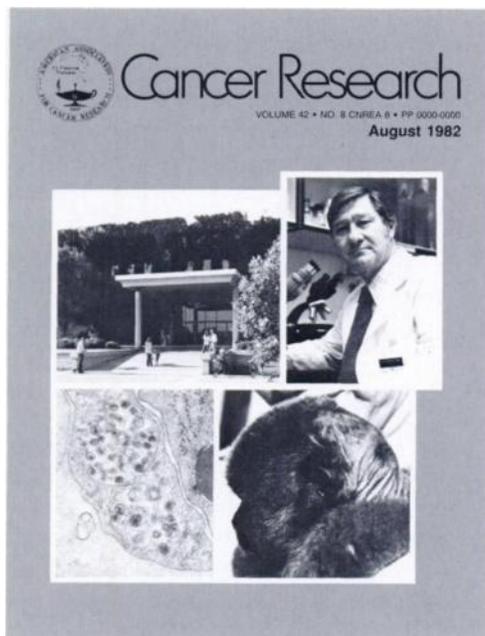
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COVER LEGEND



Veterinary scientists have made many key discoveries in oncology, starting with the transplantation of tumors (Novinsky, 1877; Jenson, 1903), cell-free transmission of tumors (Ellermann and Bang, 1908) and the physician-veterinarian team of Professor K. Yamagiwa and Dr. Ichikawa who first demonstrated in 1915 that chemicals cause cancer. Important contributions to cancer research continue to be made by veterinarians.

Current understanding and information about the pathophysiology of animal neoplasia and veterinary cancer medicine was compiled in a textbook by G. H. Theilen and B. R. Madewell, *Veterinary Cancer Medicine*, published by Lea and Febiger, Philadelphia, 1979. This is the first textbook of its kind. It should be in the libraries of all cancer research centers, as well as medical and veterinary libraries.

Veterinary Cancer Medicine emanated from the Comparative Cancer Center at the University of Cali-

fornia at Davis, an outstanding center for veterinary cancer research.

Dr. Gordon H. Theilen, D.V.M., was born in 1928, in Minnesota, and received a Doctorate of Veterinary Medicine from the University of California at Davis (UCD) in 1955. After a year in private practice, he returned to his alma mater and rose to a Professorship in Veterinary Surgery. He pioneered in veterinary oncology and RNA viral oncology of bovine, feline, simian, and avian species. He established the Comparative Oncology Laboratory and the specialty of veterinary clinical oncology. The first isolate of feline sarcoma virus was codiscovered by S. P. Snyder and Theilen while Snyder was working as a graduate student at UCD [*Nature (Lond.)*, 221: 1074, 1969]. The first simian sarcoma isolate (SSV-1) was characterized by Theilen and UCD coworkers, who obtained the virus from a woolly monkey with fibrosarcoma of the occiput [*J. Natl. Cancer Inst.*, 47: 881, 1971]. Theilen and coworkers also correctly characterized the uniqueness of the reticuloendothelial virus of poultry [*J. Natl. Cancer Inst.*, 37: 731, 1966] and developed the FL-74 feline lymphoid suspension culture [*Nature (Lond.)* 222: 589, 1969] that provided feline leukemia virus in quantity to study scientifically the pathogenesis, the biology, and the immune prevention of feline leukemia virus and feline sarcoma virus infections.

Other important retrovirus discoveries from UCD include the second isolation of bovine leukemia virus (Kawakami, T. G., *et al. Bibl. Hematol.* 36: 471, 1970) and the first isolation of the gibbon ape leukemia virus [Kawakami, T. G., *et al. Nature (Lond.)* 235: 170, 1972].

Pictured are: Dr. Theilen, and the Veterinary Medicine Teaching Hospital at Davis, California; the woolly monkey that yielded the virus from its occipital fibrosarcoma; and the virus particles of the tumor ($\times 54,000$).

We are indebted to Dr. Theilen for the illustrations and information.

M.B.S.