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COVER LEGEND

This month's cover features the Netherlands Cancer Institute and Professor Otto Mühlbock (b. 1906), one of its prominent staff members for many years. Educated at the University of Berlin as a chemist (Ph.D., 1927) and as a physician (M.D., 1933), Dr. Mühlbock specialized in gynecology and endocrinology and was an assistant to Dr. Ernst Laqueur in Amsterdam from 1935 to 1940. After the war, in 1946, he joined the staff of the Antoni van Leeuwenhoek Huis (The Netherlands Cancer Institute) in Amsterdam.

Dr. Mühlbock's scientific contributions have centered around the problem of hormones as carcinogenic agents. Work on ovarian tumors (with R. van Nie), hypophyseal tumors (with H. G. Kwa), and especially mammary tumors in mice served as models. Dr. Mühlbock, in collaboration with L. M. Boot and G. Röpcke, developed a system to induce mammary tumors in mice with isografts of pituitaries, thus demonstrating that these tumors can develop in the absence of an active virus. For comparative studies, he and W. van Ebbenhorst Tengbergen developed a number of inbred strains of mice of European origin. Mühlbock and P. Bentvelzen found that one of these, the GR strain, proved to be of special interest because of the mammary tumor virus (MTV) variant which is transmitted not only by milk but also by the genome. With A. Dux he demonstrated that the genetic resistance against MTV, located in the mammary gland, is associated with a diminished replication of the virus. Recently, this resistance has been shown to be related to a certain allele of the *H-2* locus.

Dr. Mühlbock has served in many capacities in both international and Dutch organizations such as the UICC, UNESCO, the International Committee on Laboratory Animals, the International Agency

for Research on Cancer, and others. He is presently president of the European Association for Cancer Research and has been professor of experimental oncology at the University of Amsterdam since 1958. His 65th birthday was recently celebrated by a Symposium (held in May 1971) on "RNA Virus and Host Genome."

The Netherlands Cancer Institute was founded with the help of private funds in 1913 on the premise that the only way to conquer cancer is for clinical observation and basic research to be combined as closely as possible. Named after the 17th century Dutch scientist Antoni van Leeuwenhoek, it was begun as a research clinic with a limited number of beds, with the selection of cancer patients made in accordance with the research interests of the clinicians; for many years the emphasis was on research on mammary cancer. The large animal colony maintained at the Institute for the purpose of supplying mice as animal models still supplies the IARC of the WHO in Lyons. The Institute has no director, but rather a managing directory which handles all administrative and financial affairs. It now employs 390 clinical and laboratory workers. Having outgrown its original housing facilities in Amsterdam, construction of new facilities (sketch shown on the cover) on the outskirts of Amsterdam is underway and will be completed by 1976 or 1977. The cover also shows a 1967 photograph of Dr. Mühlbock and a backview photograph of the old Institute; the main building was erected as a military hospital during the French occupation by Napoleon and, as such, presents a rather foreboding appearance. Photographs and background information were kindly provided by Dr. L. M. Boot, whose cooperation is gratefully acknowledged.

SYMPOSIUM

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STAGING IN HODGKIN'S DISEASE

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