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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 mem-
bers 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 espe-
cially 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 resist-
ance 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 Interna-
tional 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 com-
pleted 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 acknowl-
edged.
SYMPOSIUM

Sponsored by the
American Cancer Society
and the
National Cancer Institute
and
with the Assistance of The Whiting
Foundation of Flint, Michigan

STAGING
IN
HODGKIN’S DISEASE

Held at the
Towsley Center for Continuing Education
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