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Asterisks preceding the title refer to studies in humans.

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COVER LEGEND

German pharmacologist Hermann Druckrey (b. 1904) received his
education in Giessen, Heidelberg, and Leipzig. In 1942, he became
professor of pharmacology and toxicology at the University of Berlin,
and by 1965, he became Director of Forschungsgemeinschaft,
occupying the building at Stefan-Meier Strasse 8, Freiburg (illustrated).

Professor Druckrey has devoted his career to research in cancer
biochemistry, chemotherapy, and carcinogenesis. His systematic
studies on the relationships between chemical structure, dose, time,
route of administration, and the condition of the host have been
especially fruitful with N-nitroso compounds, hydrazo-, azo-, and
azoxyalkanes, and triazenes. He and his co-workers recorded their im-
portant findings in a long series of papers during the 1960's in Natur-
wissenschaften and in Zeitschrift für Krebsforschung (e.g., H. Druck-
rey, R. Preussmann, S. Ivanikovic, and D. Schmähl. Organotrope
carcinogene Wirkungen bei 65 verschiedenen N-Nitroso-Verbindungen

Three neoplastic effects are illustrated: brain glioma in rat following
single transplacental dose of ethylnitrosourea (top); gastric adeno-
carcinoma in guinea pig fed methylnitrosourethan (center); and
colonic multiple adenocarcinoma in rat given injections s.c. of azoxy-
methane (bottom).

Nitrosamine carcinogenesis gained significance when it was shown
that such compounds occur in foods and in cigarette smoke, and that
they were formed in food in the presence of nitrites (cf Lancet, 1:
1071–1072, 1968). These compounds are among candidates as en-
vironmental carcinogens in human cancer, especially of the gastro-
intestinal tract.

We are indebted to Professor Druckrey for the portrait, taken in
1965, and the illustrations and hope that his fruitful years of exper-
imental work, which ended in 1972, are now replaced by an equally
gratifying retirement.
Cancer Research


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