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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 Forscherguppe Praeventivmedizin, 
a foundation of Deutsche 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. Ivanovic, 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 ethyl nitrosourea (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 nitrates (cf. Lancet, I: 
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 experi-
mental work, which ended in 1972, are now replaced by an equally 
gratifying retirement.