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COVER LEGEND

Robert H. Wilson (b. 1903) and Floyd DeEds (b. 1894), both of the U. S. Western Regional Agriculture Laboratory, and Alvin J. Cox, Jr. (b. 1907) of the Department of Pathology, Stanford University School of Medicine at San Francisco, uncovered (1941) the carcinogenic effect of 2-acetaminofluorene (N-2-fluorenylacetamide; 2-FAA). See: Cancer Res., 1: 595–608, 1941. In 1940, 2-FAA received a U. S. Patent for use as an insecticide. The studies of the Wilson group revealed that the compound had no demonstrable acute toxicity for rats. Among the chronic toxic effects in rats fed continuously with food containing 2-FAA were malignant epithelial proliferations of bladder, renal, pelvic, hepatic, pancreatic, and lung tissues. Subsequent studies on 2-FAA have provided valuable insights into the mechanism of action of chemical carcinogens.


Cover illustrations of Wilson (center), DeEds (left), and Cox (right) are displayed within a structural model of 2-acetylaminothiofluorene.

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