

- (22) BIDSTRUP, P. L., CASE, R. A. M. Carcinoma of the lung in workmen in the bichromates-producing industry in Great Britain. *British Journal of Industrial Medicine* 13: 260-264, 1956.
- (23) BLACK, H., ACKERMAN, L. V. The importance of epidermoid carcinoma *in situ* in the histogenesis of carcinoma of the lung. *Annals of Surgery* 136(1): 44-55, July 1952.
- (24) BLACKLOCK, J. W. S. The production of lung tumours in rats by 3:4 benzpyrene, methylcholanthrene and the condensate from cigarette smoke. *British Journal of Cancer* 11(2): 181-191, 1957.
- (25) BLACKLOCK, J. W. S. An experimental study of the pathological effects of cigarette condensate in the lungs with special reference to carcinogenesis. *British Journal of Cancer* 15(4): 745-762, December 1961.
- (26) BLUMLEIN, H. Zur kausalen Pathogenese des Larynxkarzinoms unter Berücksichtigung des Tabakrauchens. (Causal pathogenesis of laryngeal carcinoma with respect to tobacco smoking.) *Archiv für Hygiene und Bakteriologie München* 139: 349-404, 1955.
- (27) BOCK, F. G. The nature of tumor-promoting agents in tobacco products. *Cancer Research* 28(11): 2363-2368, November 1968.
- (28) BOCK, F. G., MOORE, G. E. Carcinogenic activity of cigarette-smoke condensate. I. Effect of trauma and remote X irradiation. *Journal of the National Cancer Institute* 22(2): 401-411, February 1959.
- (29) BOCK, F. G., MOORE, G. E., CLARK, P. C. Carcinogenic activity of cigarette smoke condensates. III. Biological activity of refined tar from several types of cigarettes. *Journal of the National Cancer Institute* 34(4): 481-493, April 1965.
- (30) BOCK, F. G., MOORE, G. E., CROUCH, S. K. Tumor-producing activity of extracts of unburned tobacco. *Science* 145(3684): 831-833, August 21, 1964.
- (31) BOCK, F. G., MOORE, G. E., DOWD, J. E., CLARK, P. C. Carcinogenic activity of cigarette smoke condensate. Biological activity of refined tar from certain brands of cigarettes. *Journal of the American Medical Association* 181(8): 668-673, August 25, 1962.
- (32) BOREN, H. G. Pulmonary cell kinetics after exposure to cigarette smoke. IN: Hanna, M. G., JR., Nettlesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1969. U.S. Atomic Energy Commission Symposium Series 18, April 1970. pp. 229-241.*
- (33) BORENFREUND, E., KRIM, M., SANDERS, F. K., STERNBERG, S. S., BENDICH, A. Malignant conversion of cells *in vitro* by carcinogens and viruses. *Proceedings of the National Academy of Sciences of the United States of America* 56: 672-679, 1966.
- (34) BORISYUK, Y. P. Rak legkikh u kryss, vyzvannyi intratrakheal'nym vvedeniyem produktov kureniya. (Cancer of the lung in rats induced by intratracheal intubation of tobacco smoke products.) *Voprosy Onkologii* 15(6): 49-53, June 1969.
- (35) BOUCHARD, J., MAY, R. M. L'effet des goudrons de tabac sur les greffes sous-capsulaires de poumon chez la souris. (The effect of tobacco tars on sub-capsular implants of the lung in mice.) *Archives d'Anatomie Microscopique et de Morphologie Experimentale* 49(3): 307-332, 1960.

- (36) BOYLAND, E. *The Biochemistry of Bladder Cancer*. Springfield: C. C. Thomas, 1963. 95 pp.
- (37) BOYLAND, E., BUSBY, E. R., DUKES, C. E., GROVER, P. L., MANSUR, J. Further experiments on implantation of materials into the urinary bladder of mice. *British Journal of Cancer* 18(3) : 575-581, September 1964.
- (38) BOYLAND, E., ROE, F. J. C. Carcinogenic nitrosamines which are present in cigarette smoke. IN: Severi, L. (Editor). *Lung Tumors in Animals*. Perugia, Division of Cancer Research, University of Perugia, June 1966. pp. 667-676.
- (39) BOYLAND, E., WATSON, G. 3-hydroxyanthranilic acid, a carcinogen produced by endogenous metabolism. *Nature* 177(4514) : 837-838, May 5, 1956.
- (40) BOYLAND, E., WILLIAMS, D. C. The metabolism of tryptophan and the metabolism of tryptophan in patients suffering from the cancer of the bladder. *Biochemical Journal* 64 : 578-582, 1956.
- (41) BRADSHAW, E., SCHONLAND, M. Oesophageal and lung cancer in African males in relation to certain socio-economic factors. An analysis of 484 interviews. *British Journal of Cancer* 23(2) : 27-31, June 1969.
- (42) BRESLOW, L., HOAGLIN, L., RASMUSSEN, G., ABRAMS, H. K. Occupation and cigarette smoking as factors in lung cancer. *American Journal of Public Health and the Nation's Health* 44(2) : 171-181, February 1954.
- (43) BRODERS, A. C. Squamous-cell epithelioma of the lip. A study of one hundred and thirty-seven cases. *Journal of the American Medical Association* 74(10) : 656-664, March 6, 1920.
- (44) BROSS, I. D. J. Effect of filter cigarettes on the risk of lung cancer. IN: Wynder, E. L., Hoffmann, D. (Editors). *Toward a Less Harmful Cigarette*. Bethesda, Md., U.S. Public Health Service, National Cancer Institute Monograph No. 28, June 1968. pp. 35-40.
- (45) BROWN, R. R., PRICE, J. M., BURNEY, S. W., FRIEDEL, G. H. The effect of smoking on the excretion of tryptophan metabolites by mice. *Cancer Research* 30(3) : 611-614, March 1970.
- (46) BROWN, R. R., PRICE, J. M., SATTER, E. J., WEAR, J. B. The metabolism of tryptophan in patients with bladder cancer. *Acta Universitatis Carolinae - Contra Cancrum* 16 : 299-303, 1960.
- (47) BRYAN, G. T. Role of tryptophan metabolites in urinary bladder cancer. *American Industrial Hygiene Association Journal* 30(1) : 2-5, January-February 1969.
- (48) BRYAN, G. T., BROWN, R. R., PRICE, J. M. Mouse bladder carcinogen activity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. *Cancer Research* 24(4) : 596-600, May 1964.
- (49) BUELL, P. E., DUNN, J. E., BRESLOW, L. Cancer of the lung and bladder and Angeles-type air pollution. Prospective study. *Cancer* 20(12) : 2147-2151, December 1967.
- (50) CAHAN, W. G., KIRMAN, D. An effective system and procedure for the reduction of cigarette smoking by dogs. *Journal of Surgical Research* 8(12) : 575-578, December 1968.
- (51) CARNES, W. H. The respiratory epithelium of patients with lung cancer. IN: *The Morphological Precursors of Cancer*. Proceedings of the International Conference held at the University of Perugia, June 1966.

A publication of the Division of Cancer Research, University of Perugia, Italy. pp. 625-634.

- (52) CARUGNO, N., ROSSI, S. Evaluation of polynuclear hydrocarbons in cigarette smoke by glass capillary columns. *Journal of Gas Chromatography* 5(2) : 103-106, February 1967.
- (53) CASTIGLIANO, S. G. Influence of continued smoking on the incidence of second primary cancers involving mouth, pharynx, and larynx. *Journal of the American Dental Association* 77(3) : 580-585, September 1968.
- (54) CHAN, P. C., SANDERS, F. K., WYNDER, E. L. Effect of 3,4-benzo(a) pyrene on mouse lung primordia *in vitro*. *Nature* 228(5208) : 847-848, August 23, 1969.
- (55) CHANG, S. C. Microscopic properties of whole mounts and sections of human bronchial epithelium of smokers and non-smokers. *Cancer* 10(6) : 1246-1261, December 1957.
- (56) CLAPP, N. K., CRAIG, A. W. Carcinogenic effects of diethylnitrosamine in RF mice. *Journal of the National Cancer Institute* 39(5) : 903-916, November 1967.
- (57) COBB, B. G., ANSELI, J. S. Cigarette smoking and cancer of the bladder. *Journal of the American Medical Association* 193(5) : 329-332, August 2, 1965.
- (58) COHEN, S., HOSSAIN, S. Primary carcinoma of the lung. A review of 417 histologically proved cases. *Diseases of the Chest* 49(1) : 67-74, January 1966.
- (59) CONZELMAN, G. M., JR., MOULTON, J. E., FLANDERS, L. E., III, SPRINGER, K., CROUT, D. W. Induction of transitional cell carcinomas of the urinary bladder in monkeys fed 2-naphthylamine. *Journal of the National Cancer Institute* 42(5) : 825-836, May 1969.
- (60) COOK, J. W. Tobacco Smoke and Lung Cancer. London, The Royal Institute of Chemistry, Lecture Series No. 5, 1961. 18 pp.
- (61) CORNFIELD, J. A method of estimating comparative rates from clinical data. Applications to cancer of the lung, breast, and cervix. *Journal of the National Cancer Institute* 11: 1269-1275, 1951.
- (62) CROCKER, T. T. Effect of benzo(a)pyrene on hamster, rat, dog, and monkey respiratory epithelia in organ culture. IN: Hanna, M. G., JR., Nettesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1969. U.S. Atomic Energy Commission Symposium Series 18, April 1970. pp. 433-443.*
- (63) CROCKER, T. T., NIELSEN, B. I., LASNITZKI, I. Carcinogenic hydrocarbons. Effects on suckling rat trachea in organ culture. *Archives of Environmental Health* 10(2) : 240-250, February 1965.
- (64) CROSS, K. R., WALZ, D. V., PALMER, G. K., WARNER, E. D. A study of the tracheobronchial epithelium and changes related to smoking. *Journal of the Iowa Medical Society* 51(3) : 137-140, March 1961.
- (65) DAVIES, R. F., DAY, T. D. A study of the comparative carcinogenicity of cigarette and cigar smoke condensate on mouse skin. *British Journal of Cancer* 23(2) : 363-368, June 1969.
- (66) DEELEY, T. J., COHEN, S. L. The relationship between cancer of the bladder and smoking. IN: *Bladder Cancer. Chapter 13, Proceedings of the 5th Inter-American Conference on Toxicology and occupational medicine, the University of Miami, School of Medicine, Coral Gables, Fla., 1966. pp. 163-169.*

- (67) DELLA PORTA, G., KOLB, L., SHUBIK, P. Induction of tracheobronchial carcinomas in the Syrian golden hamster. *Cancer Research* 18: 592-597, June 1958.
- (68) DIAMOND, L. The effect of carcinogenic hydrocarbons on rodent and primate cells *in vitro*. *Journal of Cellular and Comparative Physiology* 66: 183-195, 1965.
- (69) DOLL, R. Cancer of the lung and nose in nickel workers. *British Journal of Industrial Medicine* 15(4): 217-223, October 1958.
- (70) DOLL, R. Mortality from lung cancer among nonsmokers. *British Journal of Cancer* 7: 303-312, 1953.
- (71) DOLL, R. Mortality from lung cancer in asbestos workers. *British Journal of Industrial Medicine* 12(1): 81-86, January 1955.
- (72) DOLL, R. Occupational lung cancer: A review. *British Journal of Industrial Medicine* 16: 181-190, 1959.
- (73) DOLL, R., HILL, A. B. A study of the aetiology of carcinoma of the lung. *British Medical Journal* 2: 1271-1286, December 13, 1952.
- (74) DOLL, R., HILL, A. B. Mortality in relation to smoking: Ten years' observations of British doctors. (Part 1) *British Medical Journal* 1(5395): 1399-1410, May 30, 1964.
- (75) DOLL, R., HILL, A. B. Mortality in relation to smoking: Ten years' observations of British doctors. (Concluded) *British Medical Journal* 1(5396): 1460-1467, June 6, 1964.
- (76) DONTENWILL, W. Experimental investigations on the effect of cigarette smoke inhalation on small laboratory animals. IN: Hanna, M. G., Jr., Nettesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1969. U.S. Atomic Energy Commission Symposium Series 18, April 1970. pp. 389-412.*
- (77) DONTENWILL, W., WIEBECKE, B. Tracheal and pulmonary alterations following the inhalation of cigarette smoke by the golden hamster. IN: Severi, L. (Editor). *Lung Tumors in Animals. Perugia, Italy, Division of Cancer Research, University of Perugia, June 1966. pp. 519-526.*
- (78) DRUCKREY, H. Experimental investigations on the possible carcinogenic effects of tobacco smoking. *Acta Medica Scandinavica* 170 (Supplement 369): 24-42, 1961.
- (79) DRUCKREY, H., LANDSCHÜTZ, C., PREUSSMANN, R. Oesophagus-carcinome nach Inhalation von Methyl-butyl-nitrosamin (MBNA) an Ratten. (Carcinomas of the oesophagus, induced by inhalation of methyl-butyl-nitrosamine (MBNA) in rats.) *Zeitschrift für Krebsforschung* 71(2): 135-139, July 1968.
- (80) DRUCKREY, H., PREUSSMANN, R., BLUM, G., IVANKOVIC, S., AFKHAM, J. Erzeugung von Karzinomen der Speiseröhre durch unsymmetrische Nitrosamine. (Esophageal carcinomas induced by asymmetric nitrosamines.) *Naturwissenschaften* 50(3): 100-101, 1963.
- (81) DRUCKREY, H., PREUSSMANN, R., IVANKOVIC, S., SCHMAHL, D. Organotrope carcinogene Wirkungen bei 65 verschiedenen N-nitroso-Verbindungen an B1-Ratten. (Organotropic carcinogenic effects of 65 different N-nitroso compounds of B1-rats.) *Zeitschrift für Krebsforschung* 69(2): 103-201, March 22, 1967.
- (82) DRUCKREY, H., SCHILDBACH, A. Quantitative Untersuchungen zur Bedeutung des Benzpyrens für die carcinogene Wirkung von Tabakrauch. (Quantitative studies on the significance of benzo(a)pyrene for

- the carcinogenic effect of tobacco smoke.) Zeitschrift für Krebsforschung 65: 465-470, 1963.
- (83) DUNGAL, N. Lung carcinoma in Iceland. Lancet 2(6624): 245-247, August 12, 1950.
- (84) DUNHAM, L. J., HERROLD, K. M. Failure to produce tumors in the hamster cheek pouch by exposure to ingredients of betel-quid; histopathologic changes in the pouch and other organs by exposure to known carcinogens. Journal of the National Cancer Institute 29(6): 1047-1067, December 1962.
- (85) DUNHAM, L. J., RABSON, A. S., STEWART, H. L., FRANK, A. S., YOUNG, J. L., JR. Rates, interview, and pathology study of cancer of the urinary bladder in New Orleans, Louisiana. Journal of the National Cancer Institute 41(3): 683-709, September 1968.
- (86) DUTTA-CHOUDHURI, R., ROY, H., SEN GUPTA, B. K. Cancer of the larynx and hypopharynx. A clinicopathological study with special reference to aetiology. Journal of the Indian Medical Association 32(9): 352-362, May 1, 1959.
- (87) EBENIUS, B. Cancer of the lip. A clinical study of 778 cases with particular regard to predisposing factors and radium therapy. Acta Radiologica (Supplement 48): 1-232, 1943.
- (88) EISENBERG, H., CAMPBELL, P. C., FLANNERY, J. T. Cancer in Connecticut. Incidence characteristics 1935-1962. Hartford, Connecticut State Department of Health, 1967. 97 pp.
- (89) ELMENHORST, H., RECKZEH, G. Aromatische Kohlenwasserstoffe im Tabakrauch. (Aromatic hydrocarbons in tobacco smoke.) Beitrage zur Tabakforschung 2(5): 180-204, May 1964.
- (90) ELZAY, R. P. Effect of alcohol and cigarette smoke as promoting agents in hamster pouch carcinogenesis. Journal of Dental Research 48(6, Part 2): 1200-1205, November-December 1969.
- (91) EPSTEIN, S. S., ANDREA, J., JAFFEE, H., JOSHI, S., FALK, H., MANTEL, N. Carcinogenicity of the herbicide *maleic hydrazide*. Nature 215(5108): 1388-1390, September 23, 1967.
- (92) ESSENBERG, J. M. Cigarette smoke and the incidence of primary neoplasm of the lung in the albino mouse. Science 116: 561-562, November 21, 1952.
- (93) FALK, H. L., KOTIN, P., MEHLER, A. Polycyclic hydrocarbons as carcinogens in man. Archives of Environmental Health 8(5): 721-730, May 1964.
- (94) FERRI, E. S., BARATTA, E. J. Polonium-210 in tobacco, cigarette smoke and selected human organs. Public Health Reports 81(2): 121-127, February 1966.
- (95) FERRI, E. S., BARATTA, E. J. Polonium-210 in tobacco products and human tissues. Radiological Health Data and Reports 7(9): 485-488, September 1966.
- (96) FLETCHER, C. M., HORN, D. Smoking and health. WHO Chronicle 24(8): 345-370, August 1970.
- (97) FRIEDEL, G. H., BURNEY, S. W., BELL, J. R., SOTO, E. Pathology as related to tryptophan metabolite excretion, occupational history, and smoking habits in patients with bladder cancer. Journal of the National Cancer Institute 43(1): 303-306, July 1969.
- (98) GELFAND, M., GRAHAM, A. J. P., LIGHTMAN, S. Carcinoma of bronchus and the smoking habit in Rhodesian Africans. British Medical Journal 3(5616): 468-469, August 24, 1968.

- (99) GELLHORN, A. The cocarcinogenic activity of cigarette tobacco tar. *Cancer Research* 18(6) : 510-517, June 1958.
- (100) GOLDBLATT, M. W. Occupational carcinogenesis. *British Medical Bulletin* 14(2) : 136-140, 1958.
- (101) GRAHAM, E. A., CRONINGER, A. B., WYNDER, E. L. Experimental production of carcinoma with cigarette tar. IV. Successful experiments with rabbits. *Cancer Research* 17(11) : 1058-1066, December 1957.
- (102) GRAHAM, S. Cancer of lung related to smoking behavior. *Cancer* 21(3) : 523-530, March 1968.
- (103) GRAHAM, S., CROUCH, S., LEVIN, M. L., BOCK, F. G. Variations in amounts of tobacco tar retrieved from selected models of smoking behavior simulated by smoking machine. *Cancer Research* 23(7) : 1025-1030, August 1963.
- (104) GRAY, S. H., CORDONNIER, J. Early carcinoma of the lung. *A. M. A. Archives of Surgery* 19 : 1618-1626, 1929.
- (105) GREGORY, L. P. Polonium-210 in leaf tobacco from four countries. *Science* 150 : 74-76, October 1, 1965.
- (106) GROSS, P., DE TREVILLE, T. P., TOLKER, E. B., KASCHAK, M., BABYAK, M. A. Experimental asbestosis. The development of lung cancer in rats with pulmonary deposits of chrysotile asbestos dust. *Archives of Environmental Health* 15(3) : 343-355, September 1967.
- (107) GSELL, O. Carcinome bronchique et tabac. (Bronchial carcinoma and tobacco.) *Medecine et Hygiene* 12(279) : 429-431, December 1, 1954.
- (108) GUERIN, M. Tumeurs pulmonaires et cancer buccal chez le rat soumis a l'inhalation de fumee de sigarete. (Pulmonary tumors and oral cancers in rats subjected to inhalation of cigarette smoke.) *Bulletin de l'Association Francaise pour l'Etude du Cancer* 46(2) : 295-309, 1959.
- (109) GUERIN, M., CUZIN, J.-L. Action carcinogene du goudron de fumee de cigarette sur la peau de souris. (Carcinogenic action of tar from cigarette smoke on mouse skin.) *Bulletin de l'Association Francaise pour l'Etude du Cancer* 44(3) : 387-408, 1957.
- (110) GUIMARD, J. Alterations cellulaires provoques *in vitro*, sur des fibroblastes quiescents et en mitose, par des goudrons entiers de tabac. (Cellular changes induced *in vitro* in quiescent fibroblasts and those in mitosis by nonfractional tobacco tar.) *Archives des Sciences Physiologiques* 20(2) : 153-167, 1966.
- (111) GUTHRIE, F. E. The nature and significance of pesticide residues on tobacco and in tobacco smoke. *Beiträge zur Tabakforschung* 4(6) : 229-246, November 1968.
- (112) HAENSZEL, W., LOVELAND, D. B., SIRKEN, M. G. Lung-cancer mortality as related to residence and smoking histories. I. White males. *Journal of the National Cancer Institute* 28(4) : 947-1001, April 1962.
- (113) HAENSZEL, W., SHIMKIN, M. B. A retrospective study of lung cancer in women. *Journal of the National Cancer Institute* 21(5) : 825-842, November 1958.
- (114) HAENSZEL, W., SHIMKIN, M. B., MILLER, H. P. Tobacco smoking patterns in the United States. *Public Health Monograph No. 45*, May 1956. 111 pp.
- (115) HAENSZEL, W., TAEUBER, K. E. Lung-cancer mortality as related to residence and smoking histories. II. White females. *Journal of the National Cancer Institute* 32(4) : 803-838, April 1964.
- (116) HAMER, D., WOODHOUSE, D. L. Biological tests for carcinogenic action of tar from cigarette smoke. *British Journal of Cancer* 10 : 49-53, 1956.

- (117) HAMILTON, J. D., SEPP, A., BROWN, T. C., MACDONALD, F. W. Morphological changes in smokers' lungs. *Canadian Medical Association Journal* 77(3): 177-182, August 1, 1957.
- (118) HAMMOND, E. C. Smoking in relation to the death rates of 1 million men and women. IN: Haenszel, W. (Editor). *Epidemiological Approaches to the Study of Cancer and Other Chronic Diseases*. Bethesda, Md., U.S. Public Health Service, National Cancer Institute Monograph, No. 19, January 1966. pp. 127-204.
- (119) HAMMOND, E. C., AUERBACH, O., KIRMAN, D., GARFINKEL, L. Effects of cigarette smoking on dogs. I. Design of experiment, mortality and findings in lung parenchyma. *Archives of Environmental Health* 21(6): 740-753, December 1970.
- (120) HAMMOND, E. C., HORN, D. Smoking and death rates—report on forty-four months of follow-up of 187,783 men. II. Death rates by cause. *Journal of the American Medical Association* 166(11): 1294-1308, March 15, 1958.
- (121) HARRIS, R. J. C., NEGRONI, G. Production of lung carcinomas in C57BL mice exposed to a cigarette smoke and air mixture. *British Medical Journal* 4(5580): 637-641, December 16, 1967.
- (122) HERROLD, K. M., DUNHAM, L. J. Induction of carcinoma and papilloma of the tracheobronchial mucosa of the Syrian hamster by intratracheal instillation of benzo(a)pyrene. *Journal of the National Cancer Institute* 28(2): 467-491, February 1962.
- (123) HILL, C. R. Polonium-210 in man. *Nature* 208(5009): 423-428, October 30, 1965.
- (124) HIRAYAMA, T. An epidemiological study of oral and pharyngeal cancer in Central and Southeast Asia. *Bulletin of the World Health Organization* 34(1): 41-69, 1966.
- (125) HIRAYAMA, T. Smoking in relation to the death rates of 265,118 men and women in Japan. Tokyo, National Cancer Center, Research Institute, Epidemiology Division, September 1967. 14 pp.
- (126) HITOSUGI, M. Epidemiological study of lung cancer with special reference to the effect of air pollution and smoking habit. *Bulletin of the Institute of Public Health* 17(3): 237-256, September 1968.
- (127) HOFFMANN, D., MASUDA, Y., WYNDER, E. L. Alpha-naphthylamine and beta naphthylamine in cigarette smoke. *Nature* 221(5177): 254-256, January 18, 1969.
- (128) HOFFMANN, D., RATHKAMP, G. Chemical studies on tobacco smoke. V. Quantitative determination of chlorinated hydrocarbon insecticides in cigarette tobacco and its smoke. *Beiträge zur Tabakforschung* 4(5): 201-214, July 1968.
- (129) HOFFMANN, D., WYNDER, E. L. Chamber development and aerosol dispersion. IN: Hanna, M. G., Jr., Nettesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1969*. U.S. Atomic Energy Commission Symposium Series 18, April 1970. pp. 173-191.
- (130) HOLSTI, L. R., ERMALA, P. Papillary carcinoma of the bladder in mice, obtained after peroral administration of tobacco tar. *Cancer* 8(4): 679-682, July-August 1955.
- (131) HOMBURGER, F., TREGER, A., BAKER, J. R. Mouse-skin painting with smoke condensates from cigarettes made of pipe, cigar, and cigarette

- tobaccos. *Journal of the National Cancer Institute* 31(6) : 1445-1459, December 1963.
- (132) HORIE, A., KOHCHI, S., KURATSUNE, M. Carcinogenesis in the esophagus. II. Experimental production of esophageal cancer by administration of ethanolic solution of carcinogens. *Gann* 56(5) : 429-441, October 1965.
- (133) HUEPER, W. C. Experimental studies in metal cancerigenesis. VI. Tissue reactions in rats and rabbits after parenteral introduction of suspensions of arsenic, beryllium, or asbestos in lanolin. *Journal of the National Cancer Institute* 15(1) : 113-129, August 1954.
- (134) HUEPER, W. C. Experimental studies in metal cancerigenesis. IX. Pulmonary lesions in guinea pigs and rats exposed to prolonged inhalation of powdered metallic nickel. *A.M.A. Archives of Pathology* 65: 600-607, June 1958.
- (135) HUEPER, W. C., PAYNE, W. W. Experimental studies in metal carcinogenesis. Chromium, nickel, iron, arsenic. *Archives of Environmental Health* 5(5) : 445-462, November 1962.
- (136) HUEPER, W. C., WILEY, F. H., WOLFE, H. D., RANTA, K. E., LEMING, M. F., BLOOD, F. R. Experimental production of bladder tumors in dogs by administration of beta-naphthylamine. *Journal of Industrial Hygiene and Toxicology* 20(1) : 46-84, January 1938.
- (137) ISHII, K., NAKAMURA, K., OZAKI, H., YAMADA, N., TAKEUCHI, T. Suizogan no ekigaku ni okeru mondaiten. (Some aspects of the epidemiology of cancer of the pancreas.) *Nippon Rinsko* 26(8) : 1839-1842, August 1968.
- (138) JOHNSON, D. E., MILLAR, J. D., RHOADES, J. W. Nitrosamines in tobacco smoke. IN: Wynder, E. L., Hoffmann, D. (Editors). *Toward a Less Harmful Cigarette*. Bethesda, Md., U.S. Department of Health, Education, and Welfare, Public Health Service, National Cancer Institute Monograph 28, June 1968. pp. 181-189.
- (139) KAHN, H. A. The Dorn study of smoking and mortality among U.S. veterans: Report on 8½ years of observation. IN: Haenszel, W. (Editor). *Epidemiological Approaches to the Study of Cancer and Other Chronic Diseases*. Bethesda, Md., U.S. Public Health Service, National Cancer Institute Monograph No. 19, January 1966. pp. 1-125.
- (140) KELLER, A. Z. Cirrhosis of the liver, alcoholism and heavy smoking associated with cancer of the mouth and pharynx. *Cancer* 20(6) : 1015-1022, June 1967.
- (141) KELLER, A. Z. Cellular types, survival, race, nativity, occupations, habits and associated diseases in the pathogenesis of lip cancers. *American Journal of Epidemiology* 91(5) : 486-499, May 1970.
- (142) KELLEY, T. F. Polonium-210 content of mainstream cigarette smoke. *Science* 149(3683) : 537-538, July 30, 1965.
- (143) KERB, W. K., BARKIN, M., LEVERS, P. E., WOO, S. K.-C., MENCZYK, Z. The effect of cigarette smoking on bladder carcinogens in man. *Canadian Medical Association Journal* 93(1) : 1-7, July 3, 1965.
- (144) KIDA, H., OMOTO, T., SAKAMOTO, K., MOMOSE, S. Fukuoka ken hokubu ni okeru boko shuyo no ekigaku to kei. (Statistics and epidemiology of urinary bladder tumors in northern Fukuoka, Japan.) *Hifu to Hinyo* 30(5) : 883-889, October 1968.
- (145) KILIBARDA, M., PETROVIC, D., PANOV, D., DJURIC, D. Contamination with polonium-210, uranium and radium-226 due to smoking. *Health Physics* 12: 1808, December 1966.

- (146) KIRYU, S., KURATSUNE, M. Polycyclic aromatic hydrocarbons in the cigarette tar produced by human smoking. *Gann* 57: 317-322, August 1966.
- (147) KNUDTSON, K. P. The pathologic effects of smoking tobacco on the trachea and bronchial mucosa. *American Journal of Clinical Pathology* 33(4): 310-317, April 1960.
- (148) KOCHEN, W., HOCHBERG, K. Untersuchungen über den Tryptophan-Stoffwechsel beim Blasen-Carcinom. (Studies about the tryptophan metabolism in the carcinoma of bladder.) *Zeitschrift für Krebsforschung* 73(3): 251-264, January 29, 1970.
- (149) KOTIN, P., FALK, H. L. Atmospheric factors in pathogenesis of lung cancer. *Advances in Cancer Research* 7: 475-514, 1963.
- (150) KOTIN, P., FALK, H. L. Polluted urban air and related environmental factors in the pathogenesis of pulmonary cancer. *Diseases of the Chest* 45(3): 236-246, March 1964.
- (151) KOULUMIES, M. Smoking and pulmonary carcinoma. *Acta Radiologica* 39: 255-260, 1953.
- (152) KRESHOVER, S. J. The effect of tobacco on epithelial tissues of mice. *Journal of the American Dental Association* 45(6): 528-540, November 1952.
- (153) KREYBERG, L. Histological Lung Cancer Types. A Morphological and Biological Correlation. *Acta Pathologica et Microbiologica Scandinavica* (Supplementum 157): 1962. 92 pp.
- (154) KREYBERG, L. Aetiology of Lung Cancer. A Morphological Epidemiological and Experimental Analysis. Oslo, Universitetsforlaget, 1969. 99 pp.
- (155) KUHN, H. Tobacco alkaloids and their pyrolysis products in the smoke. IN: Von Euler, U.S. (Editor). *Tobacco Alkaloids and Related Compounds*. New York, Macmillan, 1965. pp. 37-51.
- (156) KURATSUNE, M., KOHCHI, S., HORIE, A. Carcinogenesis in the esophagus. I. Penetration of benzo(a)pyrene and other hydrocarbons into the esophageal mucosa. *Gann* 56(2): 177-187, 1965.
- (157) KUSCHNER, M. The J. Burns Amberson Lecture. The causes of lung cancer. *American Review of Respiratory Diseases* 98(4): 573-590, October 1968.
- (158) LANCASTER, H. O. Cancer statistics in Australia. Part II. Respiratory system. *Medical Journal of Australia* 1: 1006-1011, June 30, 1962.
- (159) LASKIN, S., KUSCHNER, M., DREW, R. T. Studies in pulmonary carcinogenesis. IN: Hanna, M. G., Jr., Nettesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis*. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1968. U.S. Atomic Energy Commission Symposium Series 18, April 1970. pp. 321-351.
- (160) LASNITZKI, I. The effect of a hydrocarbon-enriched fraction from cigarette smoke on mouse tracheas grown *in vitro*. *British Journal of Cancer* 22(1): 105-109, March 1968.
- (161) LASNITZKI, I. The effect of a hydrocarbon-enriched fraction of cigarette smoke condensate on human fetal lung grown *in vitro*. *Cancer Research* 28(3): 516-513, March 1968.
- (162) LEDERMANN, S. Cancers, tabac, vin et alcool. (Cancers, tobacco, wine and alcohol.) *Concours Medical* 1: 1107, 1109-1111, 1113-1114, 1955.
- (163) LEE, A. M., FRAUMENI, J. F., JR. Arsenic and respiratory cancer in man: An occupational study. *Journal of the National Cancer Institute* 42(6): 1045-1052, June 1969.
- (164) LEUCHTENBERGER, C., LEUCHTENBERGER, R. The role of influenza virus in the development of malignant transformation *in vitro* and in the res-

- piratory tract of mice, with and without exposure to cigarette smoke. *Rivista di Biologia* 59: 445-463, 1966.
- (165) LEUCHTENBERGER, C., LEUCHTENBERGER, R. Cytologic and cytochemical effects on primary mouse kidney tissue and lung organ cultures after exposure to whole, fresh smoke and its gas phase from unfiltered, charcoal-filtered, and cigar tobacco cigarettes. *Cancer Research* 29(4): 862-872, April 1969.
- (166) LEUCHTENBERGER, C., LEUCHTENBERGER, R., DOOLIN, P. F. A correlated histological, cytological, and cytochemical study of the tracheobronchial tree and lungs of mice exposed to cigarette smoke. I. Bronchitis with atypical epithelial changes in mice exposed to cigarette smoke. *Cancer* 2(3): 490-506, May-June 1958.
- (167) LEUCHTENBERGER, C., LEUCHTENBERGER, R., ZEBRUN, W., SHAFFER, P. A correlated histological, cytological, and cytochemical study of the tracheobronchial tree and lungs of mice exposed to cigarette smoke. II. Varying responses of major bronchi to cigarette smoke, absence of bronchogenic carcinoma after prolonged exposure, and disappearance of bronchial lesions after cessation of exposure. *Cancer* 13(4): 721-732, July-August 1960.
- (168) LEUCHTENBERGER, R., LEUCHTENBERGER, C., ZEBRUN, W., SHAFFER, P. A correlated histological, cytological, and cytochemical study of the tracheobronchial tree and lungs of mice exposed to cigarette smoke. III. Unaltered incidence of grossly visible adenomatous lung tumors in female CF₁ mice after prolonged exposure to cigarette smoke. *Cancer* 13(5): 956-958, September-October 1960.
- (169) LEVIN, M. L., GOLDSTEIN, H., GERHARDT, P. R. Cancer and tobacco smoking. A preliminary report. *Journal of the American Medical Association* 143(4): 336-338, May 27, 1950.
- (170) LICKINT, F. Der Tabakrauch als Ursache des Lungenkrebses. Spezieller Teil IV. Ätiologie und Prophylaxe des Lungenkrebses. (Tobacco smoke as cause of lung cancer. Special Section IV. IN: Etiology and Prophylaxis of Lung Cancer.) Dresden, Theodor Steinkopff, 1953. pp. 66-141.
- (171) LILIENFELD, A. M., LEVIN, M. L., MOORE, G. E. The association of smoking with cancer of the urinary bladder in humans. *A.M.A. Archives of Internal Medicine* 98: 129-135, 1956.
- (172) LITTLE, J. B., RADFORD, E. P., JR. Polonium-210 in bronchial epithelium of cigarette smokers. *Science* 155(3762): 606-607, February 3, 1967.
- (173) LITTLE, J. B., RADFORD, E. P., JR., MCCOMBS, H. L., HUNT, V. R. Polonium-210 in lungs and soft tissues of cigarette smokers. *Radiation Research* 22: 209, 1964.
- (174) LITTLE, J. B., RADFORD, E. P., JR., MCCOMBS, H. L., HUNT, V. R. Distribution of Polonium-210 in pulmonary tissues of cigarette smokers. *New England Journal of Medicine* 273(25): 1343-1351, December 16, 1965.
- (175) LOCKWOOD, K. On the etiology of bladder tumors in Kobenhavn-Frederiksberg. An inquiry of 369 patients and 369 controls. *Acta Pathologica et Microbiologica Scandinavica* 51(Supplementum 145): 1961. 166 pp.
- (176) LOMBARD, H. L., SNEGIREFF, L. S. An epidemiological study of lung cancer. *Cancer* 12(2): 406-413, March-April 1959.
- (177) LORENZ, E., STEWART, H. L., DANIEL, J. H., NELSON, C. V. The effects of breathing tobacco smoke on strain A mice. *Cancer Research* 3: 123, 1943.

- (178) LUNDIN, F. E., JR., LLOYD, J. W., SMITH, E. M., ARCHER, V. E., HOLADAY, D. A. Mortality of uranium miners in relation to radiation exposure, hard-rock mining and cigarette smoking—1950 through September 1967. *Health Physics* 16(5) : 571-578, May 1969.
- (179) LYNCH, K. M., MCIVER, F. A., CAIN, J. R. Pulmonary tumors in mice exposed to asbestos dust. *A.M.A. Archives of Industrial Health* 15: 207-214, March 1957.
- (180) MCCONNELL, R. B., GORDON, K. C. T., JONES, T. Occupational and personal factors in the aetiology of carcinoma of the lung. *Lancet* 2: 651-656, October 4, 1952.
- (181) MAGEE, P. N., BARNES, J. M. Carcinogenic nitroso compounds. *Advances in Cancer Research* 10: 163-246, 1967.
- (182) MALTONI, C., CARRETTI, D., CANEPARI, C., GHETTI, G. Incidenza della metaplasia squamosa dell'epitelio respiratorio in rapporto al fumo di sigaretta. Studio citologico su 1000 individui di sesso maschile apparentemente sani. (Incidence of squamous metaplasia of the respiratory epithelium in relation to cigarette smoking. Cytological study on 1000 apparently healthy male individuals.) *Cancro* 21 (4) : 349-356, 1968.
- (183) MARTINEZ, I. Factors associated with cancer of the esophagus, mouth, and pharynx in Puerto Rico. *Journal of the National Cancer Institute* 42(6) : 1069-1094, June 1969.
- (184) MILLER, L., SMITH, W. E., BERLINER, S. W. Tests for effect of asbestos on benzo(a)pyrene carcinogenesis in the respiratory tract. *Annals of the New York Academy of Sciences* 132(Article 1) : 489-500, December 31, 1965.
- (185) MILLER, R. L., STEDMAN, R. L. Essential absence of beta-naphthylamine in cigarette smoke condensate. *Tobacco* 165(8) : 32, August 25, 1967.
- (186) MILLS, C. A., PORTER, M. M. Tobacco smoking habits and cancer of the mouth and respiratory system. *Cancer Research* 10: 539-542, 1950.
- (187) MILLS, C. A., PORTER, M. M. Tobacco smoking, motor exhaust fumes, and general air pollution in relation to lung cancer incidence. *Cancer Research* 17: 981-990, 1957.
- (188) MONTESANO, R., SAFFIOTTI, U. Carcinogenic response of the hamster respiratory tract to single subcutaneous administrations of diethylnitrosamine at birth. *Journal of the National Cancer Institute* 44(2) : 413-417, February 1970.
- (189) MONTESANO, R., SAFFIOTTI, U., SHUBIK, P. The role of topical and systemic factors in experimental respiratory carcinogenesis. IN: Hanna, M. G., Jr., Nettesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1969. U.S. Atomic Energy Commission Symposium Series 18, April 1970, pp. 353-371.*
- (190) MOORE, C. Multiple mouth-throat cancer. *American Journal of Surgery* 110(4) : 534-536, October 1965.
- (191) MOORE, C., CHRISTOPHERSON, W. M. The effect of cigarette-smoke condensate on hamster tissues. Exteriorized oral pouch and skin. *A.M.A. Archives of Surgery* 84(4) : 425-431, April 1962.
- (192) MOORE, C., MILLER, A. J. Effect of cigarette tar on the hamster pouch. *A.M.A. Archives of Surgery* 76(5) : 786-793, May 1958.
- (193) MOORE, G. E., BISSENGER, L. L., PROEHL, E. C. Intraoral cancer and the use of chewing tobacco. *Journal of the American Geriatrics Society* 1: 497-506, 1953.

- (194) MORGAN, J. G. Some observations on the incidence of respiratory cancer in nickel workers. *British Journal of Industrial Medicine* 15: 224-234, 1958.
- (195) MUHLBOCK, O. Carcinogene Werking van Sigarettenrook bij Muizen. (Carcinogenic action of cigarette smoke in mice). *Nederlands Tijdschrift voor Geneeskunde* 99(31): 2276-2278, July 30, 1955.
- (196) MULLER, F. H. Tabakmissbrauch und Lungencarcinom. (Tobacco misuse and lung carcinoma). *Zeitschrift für Krebsforschung* 49 (1): 57-85, 1939.
- (197) MUNOZ, N., CORREA, P., BOCK, F. G. Comparative carcinogenic effect of two types of tobacco. *Cancer* 21(3): 376-389, March 1968.
- (198) NASIELL, M. The Epithelial Picture in the Bronchial Mucosa in Chronic Inflammatory and Neoplastic Lung Disease and its Relation to Smoking. A comparative histologic and sputum-cytologic study. Stockholm, Cytology Laboratory, Department of Pathology at Sabbatsberg Hospital, Karolinska Institutet, 1968. 72 pp.
- (199) NELSON, N. Inhalation carcinogenesis in man: Environmental and occupational hazards. IN: Hanna, M. G., Jr., Nettesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1969. U. S. Atomic Energy Commission Symposium Series 18, April 1970.* pp. 3-12.
- (200) NETTESHEIM, P., HANNA, M. G., JR., DOHERTY, D. G., NEWELL, R. F., HELLMAN, A. Effects of chronic exposure to artificial smog and chromium oxide dust on the incidence of lung tumors in mice. IN: Hanna, M. G., Jr., Nettesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1969. U.S. Atomic Energy Commission Symposium Series No. 18, April 1970.* pp. 305-320.
- (201) NEURATH, G. Zur Frage des Vorkommens von N-Nitroso-Verbindungen im Tabakrauch. (Occurrence of n-Nitroso compounds in tobacco smoke.) *Experientia* 23(5): 400-404, 1967.
- (202) NEURATH, G. Stickstoffverbindungen des Tabakrauches. (Nitrogen compounds in tobacco smoke.) *Arzneimittel-Forschung* 19(7): 1093-1106, July 1969.
- (203) OCHSNER, A., DE BAKEY, M. Primary pulmonary malignancy. Treatment by total pneumonectomy. Analysis of 79 collected cases and presentation of 7 personal cases. *Surgery, Gynecology and Obstetrics* 68: 435-451, 1939.
- (204) ORMOS, J., KARACSONYI, G., BILICZKI, F., SZONYI, F. Lung cancer in the Hungarian plain. *Neoplasma* 16(6): 667-675, 1969.
- (205) ORR, J. W., WOODHOUSE, D. L., HAMER, D., MARCHANT, J., HOWELL, J. S. Cigarette tobacco tars. *British Empire Cancer Campaign Annual Report* 33: 238-239, 1955.
- (206) OTTO, H. Experimentelle Untersuchungen an Mäusen mit passiver Zigarettenrauchbeatmung. (Experimental investigations on mice through passive inhalation of cigarette smoke.) *Frankfurter Zeitschrift für Pathologie* 73: 10-23, 1963.
- (207) PAILER, M., HUBSCH, W. J., KUHN, H. Untersuchung der aliphatischen und aromatischen primären und sekundären Amine des Zigarettenrauches mit Hilfe der Gaschromatographie und Massenspektrometrie. (Study of the aliphatic and aromatic primary and secondary amines of cigarette smoke by gas chromatography and mass spectrometry.)

Fachliche Mitteilungen der Oesterreichischen Tabakregie No. 7: 109-118, April 1967.

- (208) PAPANICOLAOU, G. N., KOPROWSKA, I. Carcinoma-*in-situ* of the right lower bronchus: A case report. *Cancer* 4(1): 141-146, January 1951.
- (209) PASSEY, R. D., ROE, E. M. F., MIDDLETON, F. C., BERGEL, F., EVERETT, J. L., LEWIS, G. E., MARTIN, J. B., BOYLAND, E., SIMS, P. Cigarette smoking and cancer. *British Empire Cancer Campaign Annual Report* 32: 60-62, 1954.
- (210) PEACOCK, E. E., JR., GREENBERG, B. G., BRAWLEY, B. W. The effect of snuff and tobacco on the production of oral carcinoma: An experimental and epidemiological study. *Annals of Surgery* 151(4): 542-550, April 1960.
- (211) PERNU, J. An epidemiological study on cancer of the digestive organs and respiratory system. A study based on 7,078 cases. *Annales Medicinæ Internæ Fennicæ* 49 (Supplement 33): 1960. 117 pp.
- (212) POTTER, E. A., TULLY, M. R. The statistical approach to the cancer problem in Massachusetts. *American Journal of Public Health and the Nation's Health* 35: 485-490, May 1945.
- (213) PROTZEL, M., GIARDINA, A. C., ALBANO, E. H. The effect of liver imbalance on the development of oral tumors in mice following the application of benzpyrene or tobacco tar. *Oral Surgery, Oral Medicine and Oral Pathology* 18(5): 622-635, November 1964.
- (214) QUAGLIARIELLO, E., TANCREDI, F., FEDELE, L., SACCONI, C. Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder. Changes in the excretory products after treatment with nicotinamide and vitamin B₆. *British Journal of Cancer* 15: 367-372, 1961.
- (215) RADFORD, E. P., JR., HUNT, V. R. Polonium-210: A volatile radio-element in cigarettes. *Science* 143(3603): 247-249, January 17, 1964.
- (216) RADFORD, E. P., HUNT, V. R., LITTLE, J. B. Carcinogenicity of tobacco-smoke constituents. *Science* 165(3890): 312, July 18, 1969.
- (217) RAJEWSKY, B., STAHLHOFEN, W. Polonium-210 activity in the lungs of cigarette smokers. *Nature* 209(5030): 1312-1313, March 26, 1966.
- (218) RANDIG, K. Untersuchungen zur Ätiologie des Bronchialkarzinoms. (Investigations on the etiology of bronchial carcinoma.) *Öffentliche Gesundheitsdienst* 16(9): 305-313, December 1954.
- (219) REDDY, D. G., ANGULI, V. C. Experimental production of cancer with betel nut, tobacco and slaked lime mixture. *Journal of the Indian Medical Association* 49(7): 315-318, October 1, 1967.
- (220) REINGOLD, I. M., OTTOMAN, R. E., KONWALER, B. E. Bronchogenic carcinoma: A study of 60 necropsies. *American Journal of Clinical Pathology* 20: 515-525, 1950.
- (221) RIGDON, R. H. Effect of tobacco condensate on respiratory tract of white Pekin ducks. *A.M.A. Archives of Pathology* 69(1): 55-63, January 1960.
- (222) ROBBINS, W. T. Bronchial epithelium in smoking and nonsmoking college students. *Journal of the American College Health Association* 14(4): 265-266, April 1966.
- (223) ROCKEY, E. E., SPEER, F. D. The ill effects of cigarette smoking in dogs. *International Surgery* 46(6): 520-530, December 1966.
- (224) ROCKEY, E. E., SPEER, F. D., THOMPSON, S. A., AHN, K. J., HIROSE, T. Experimental study on effect of cigarette smoke condensate on bronchial mucosa. *Journal of the American Medical Association* 182 (11): 1094-1098, December 15, 1962.

- (225) ROE, F. J. C. Role of 3,4-benzopyrene in carcinogenesis by tobacco smoke condensate. *Nature* 194(4833) : 1089-1090, June 16, 1962.
- (226) ROTH, D., FREDRICKSON, D. T., OPPENHEIM, A., LONDON, M. Bioassay of the effects of smoking on DNA content of human respiratory epithelium. *Cancer* 21(6) : 1132-1136, June 1968.
- (227) ROTH, D., OPPENHEIM, A., FREDRICKSON, D. T. DNA-dependent dye binding by oral epithelium. Its relation to smoking habits. *Archives of Environmental Health* 17(1) : 59-61, July 1968.
- (228) ROYAL COLLEGE OF PHYSICIANS. Air pollution and Health. Summary and Report on Air Pollution and Its Effect on Health. By the Committee of the Royal College of Physicians of London on Smoking and Atmospheric Pollution. Pitman Medical and Scientific Publishing Co., Ltd., London, 1970. 80 pp.
- (229) ROZENBILDS, J. G. Carcinoma of the larynx and hypopharynx in South Australia 1952-1966. *Medical Journal of Australia* 2(6) : 244-249, August 5, 1967.
- (230) RUNECKLES, V. C. Natural radioactivity in tobacco and tobacco smoke. *Nature* 191(4786) : 322-325, July 22, 1961.
- (231) SACCOMANNO, G. Radiation exposure of uranium miners. U.S. Congress. Radiation Standards for Uranium Mining. Hearings before the Subcommittee on Research, Development, and Radiation of the Joint Committee On Atomic Energy, Congress of the United States. 91st Congress, 1st Session, March 17, and 18, 1969. pp. 301-315.
- (232) SADOWSKY, D. A., GILLIAM, A. G., CORNFIELD, J. The statistical association between smoking and carcinoma of the lung. *Journal of the National Cancer Institute* 13: 1237-1258, 1953.
- (233) SAFFIOTTI, U. Experimental respiratory tract carcinogenesis. *Progress in Experimental Tumor Research* 11: 302-333, 1969.
- (234) SAFFIOTTI, U. Experimental respiratory tract carcinogenesis and its relation to inhalation exposures. IN: Hanna, M. G., Jr., Nettesheim, P., Gilbert, J. R. (Editors). *Inhalation Carcinogenesis. Proceedings of a Biology Division, Oak Ridge National Laboratory Conference, Gatlinburg, Tennessee, October 8-11, 1969. U.S. Atomic Energy Commission Symposium Series 18, April 1970.* pp. 27-54.
- (235) SAFFIOTTI, U., CEFIS, F., KOLB, L. H. A method for the experimental induction of bronchogenic carcinoma. *Cancer Research* 28(1) : 104-124, January 1968.
- (236) SAFFIOTTI, U., CEFIS, F., MONTESANO, R., SELLAKUMAR, A. R. Induction of bladder cancer in hamsters fed aromatic amines. Chapter 10. IN: DEICHMANN, W. B., LAMPE, K. L. (Editors). *Bladder Cancer. Proceedings of the 5th Inter-American Conference on Toxicology and Occupational Medicine. Coral Gables, University of Miami, School of Medicine, 1967.* pp. 129-135.
- (237) SAFFIOTTI, U., CEFIS, F., SHUBIK, P. Histopathology and histogenesis of lung cancer induced in hamsters by carcinogens carried by dust particles. In: Severi, L. (Editor). *Lung Tumors in Animals. Perugia, Division of Cancer Research, University of Perugia, June 1966.* pp. 537-546.
- (238) SALLEY, J. J. Experimental carcinogenesis in the cheek pouch of the Syrian hamster. *Journal of Dental Research* 33(2) : 253-262, April 1954.
- (239) SALLEY, J. J. Smoking and oral cancer. *Journal of Dental Research* 42 (Supplement to No. 1) : 328-339, 1963.

- (240) SANDERUD, K. Squamous metaplasia of the respiratory tract epithelium: An autopsy study of 214 cases. 2. Relation to tobacco smoking, occupation, and residence. *Acta Pathologica et Microbiologica Scandinavica* 43(1): 47-61, 1958.
- (241) SANGHVI, L. D., RAO, K. C. M., KHANOLKAR, V. R. Smoking and chewing of tobacco in relation to cancer of the upper alimentary tract. *British Medical Journal* 1: 1111-1114, May 7, 1955.
- (242) SCHARIRE, E., SCHONIGER, F. Lungenkrebs und Tabakverbrauch. (Lung cancer and smoking.) *Zeitschrift für Krebsforschung* 54: 261-269, 1943.
- (243) SCHLEGEL, J. U., PIPKIN, G., BANOWSKY, I. Urine composition in the etiology of bladder tumor formation. *Journal of Urology* 97(3): 479-481, March 1967.
- (244) SCHLEGEL, J. U., PIPKIN, G. E., NISHIMURA, R., DUKE, G. A. Studies in the etiology and prevention of bladder carcinoma. *Journal of Urology* 101(3): 317-324, March 1969.
- (245) SCHLEGEL, J. U., PIPKIN, G. E., SHULTZ, G. N. The aetiology of bladder tumours. *British Journal of Urology* 41(6): 718-723, December 1969.
- (246) SCHREK, R., BAKER, L. A., BALLARD, G. P., DOLGOFF, S. Tobacco smoking as an etiologic factor in disease. I. Cancer. *Cancer Research* 10: 49-58, 1950.
- (247) SCHWARTZ, D., DENOIX, P.-F. L'enquete francaise sur l'etiologie du cancer broncho-pulmonaire. Role du tabac. (French investigation on the etiology of bronchopulmonary cancer. Role of tobacco.) *Semaine des Hopitaux de Paris* 33 (62/7): 3630-3643, October 30, 1957.
- (248) SCHWARTZ, D., DENOIX, P.-F., ANGUERA, G. Recherche des localisations du cancer associees aux facteurs tabac et alcool chez l'homme. (Research on the localizations of cancer associates with tobacco and alcoholic factors in man.) *Bulletin de l'Association Francaise pour l'Etude du Cancer* 44: 336-361, 1957.
- (249) SCHWARTZ, D., FLAMANT, R., LELLOUCH, J., DENOIX, P.-F. Results of a French survey on the role of tobacco, particularly inhalation, in different cancer sites. *Journal of the National Cancer Institute* 26 (5): 1085-1108, May 1961.
- (250) SEGI, M., FUKUSHIMA, I., FUJISAKU, S., KURIHARA, M., SAITO, S., ASANO, K., KAMOI, M. An epidemiological study on cancer in Japan. The report of the Committee for Epidemiological study on Cancer, Sponsored by the Ministry of Welfare and Public Health. *Gann* 48 (Supplement): April 1957. 63 pp.
- (251) SELIKOFF, I. J., BADER, R. A., BADER, M. E., CHURG, J., HAMMOND, E. C. Asbestosis and neoplasia. *American Journal of Medicine* 42(4): 487-496, April 1967.
- (252) SELIKOFF, I. J., HAMMOND, E. C., CHURG, J. Asbestos exposure, smoking, and neoplasia. *Journal of the American Medical Association* 204(2): 106-112, April 8, 1968.
- (253) SERFONTEIN, W. J., HURTER, P. Nitrosamines as environmental carcinogens. II. Evidence for the presence of nitrosamines in tobacco smoke condensate. *Cancer Research* 26(4, Part 1): 575-579, April 1966.
- (254) SERFONTEIN, W. J., SMIT, J. H. Evidence for the occurrence of N-nitrosamines in tobacco. *Nature* 214(5084): 169-170, April 8, 1967.
- (255) SHANTA, V., KRISHNAMURTHI, S. Further studies in aetiology of carcinomas of the upper alimentary tract. *British Journal of Cancer* 17(1): 8-23, March 1963.

- (256) SHANTA, V., KRISHNAMURTHI, S. Further studies in etiology of carcinomas of the upper alimentary tract. *Acta; Unio Internationalis contra Cancrum* 20: 586-594, 1964.
- (257) SILVERMAN, S., JR., GALANTE, M. Oral Cancer. University of California, San Francisco Medical Center, January 1970. 56 pp.
- (258) SPAIN, D. M., BRADESS, V. A., TARTER, R., MATERO, A. Metaplasia of bronchial epithelium. Effect of age, sex, and smoking. *Journal of the American Medical Association* 211(8): 1331-1334, February 23, 1970.
- (259) STASZEWSKI, J. Palenie a rak wargi, jamy ustnej, migdalkow i krtani. (Tobacco smoking and its relation to cancer of the mouth, tonsils and larynx.) *Nowotwory* 10(2): 121-132, 1960.
- (260) STASZEWSKI, J. Palenie tytoniu a rak przelyku i zoladka oraz choroba wrzodowa. (Smoking and its relation to carcinoma of the upper digestive tract (esophagus and stomach) and to peptic ulcer.) *Polski Tygodnik Lekarski* 16(16): 287-292, May 4, 1960.
- (261) STASZEWSKI, J. Smoking and cancer of the urinary bladder in males in Poland. *British Journal of Cancer* 20(1): 32-35, March 1966.
- (262) STEDMAN, R. L. The chemical composition of tobacco and tobacco smoke. *Chemical Reviews* 68(2): 153-207, April 1968.
- (263) STOCKS, P. Cancer incidence in North Wales and Liverpool region in relation to habits and environment. *British Empire Cancer Campaign Annual Report* 35 (Supplement to Part 2): 66-95, 1957.
- (264) STOCKS, P. Recent epidemiological studies of lung cancer mortality, cigarette smoking and air pollution, with discussion of a new hypothesis of causation. *British Journal of Cancer* 20(4): 595-623, December 1966.
- (265) STOCKS, P., CAMPBELL, J. M. Lung cancer death rates among non-smokers and pipe and cigarette smokers. *British Medical Journal* 2: 923-929, October 15, 1955.
- (266) SUGIURA, K. Experimental production of carcinoma in mice with cigarette smoke tar. *Gann* 47(2): 243-244, June 1956.
- (267) SUNDERMAN, F. W., DONNELLY, A. J. Studies of nickel carcinogenesis metastasizing pulmonary tumors in rats induced by the inhalation of nickel carbonyl. *American Journal of Pathology* 46(6): 1027-1041, June 1965.
- (268) SUNDERMAN, F. W., DONNELLY, A. J., WEST, B., KINCAID, J. F. Nickel poisoning. IX. Carcinogenesis in rats exposed to nickel carbonyl. *A.M.A. Archives of Industrial Health* 20(1): 36-41, July 1959.
- (269) SUNDERMAN, F. W., KINCAID, J. F., DONNELLY, A. J., WEST, B. Nickel poisoning. IV. Chronic exposure of rats to nickel carbonyl. A report after one year of observation. *A.M.A. Archives of Industrial Health* 16(6): 480-485, December 1957.
- (270) SUNDERMAN, F. W., SUNDERMAN, F. W., JR. Nickel poisoning. XI. Implication of nickel as a pulmonary carcinogen in tobacco smoke. *American Journal of Clinical Pathology* 35(3): 203-209, March 1961.
- (271) SVOBODA, V. An analysis of some possible epidemiological factors involved in carcinoma of the larynx. *Neoplasma* 15(6): 677-684, 1968.
- (272) TAKANO, K., OSOGOSHI, K., KAMIMURA, N., KANDA, K., KANE, K., KAMIYAMA, R., SAKAMOTO, K., SATO, H., SHIRAI, Y., SEI, M., TANABE, T., HORINO, M., MINAMI, Y., MOTOJI, H., MORITA, R., ORIHATA, H., HIRAYAMA, T. Shokudogan no ekigaku, toku ni atsui inshokubutsu, inshu, kitsuen narabi ni eiyo ketsubo ni tsuite. (Epidemiology of cancer of the esophagus, with particular reference to the effect of hot

- food and drink, drinking, smoking, and nutritional deficiencies.) *Nippon Rinsho* 26(8) : 1823-1828, August 1968.
- (273) TARJAN, R., KEMENY, T. Multigeneration studies on DDT in mice. *Food and Cosmetic Toxicology* 7: 215-222, 1969.
- (274) TERRACOL, J., CALVET, J., MARQUES, P., COLL, J. Le tabac et le cancer du larynx. (Tobacco and cancer of the larynx.) *Vie Medicale* 48: 1149-1150, August 1967.
- (275) THAYER, P. S., KENSLER, C. J. Cigarette smoke: Charcoal filters reduce components that inhibit growth of cultured human cells. *Science* 146 (3644) : 642-644, October 30, 1964.
- (276) THORARINSSON, H., HALLGRIMSSON, J., BJARNASON, O., PETERSEN, G. Carcinoma of the lung in Iceland. *Diseases of the Chest* 52(6) : 754-759, December 1967.
- (277) TIPTON, D. L., CROCKER, T. T. Duration of bronchial squamous metaplasia produced in dogs by cigarette smoke condensate. *Journal of the National Cancer Institute* 33(3) : 487-495, September 1964.
- (278) TYLECOTE, F. E. Cancer of the lung. *Lancet* 2: 256-257, July 30, 1927.
- (279) UMIKER, W., STOREY, C. Bronchogenic carcinoma-*in-situ*. Report of a case with positive biopsy, cytological examination, and lobectomy. *Cancer* 5(2) : 369-374, March 1952.
- (280) U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE. Report of the Secretary's Commission on Pesticides and Their Relationship to Environmental Health. Washington, U.S. Department of Health, Education, and Welfare, December 1969. 677 pp.
- (281) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Changes in cigarette smoking habits between 1955 and 1966. Washington, U.S. Department of Health, Education, and Welfare, Vital and Health Statistics Series 10, Number 59, Public Health Service Publication No. 1000, April 1970. 33 pp.
- (282) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Mortality from diseases associated with smoking: United States, 1950-64. Washington, U.S. Department of Health, Education, and Welfare, Vital and Health Statistics Series 20, No. 4, Public Health Service Publication No. 1000, October 1966. 45 pp.
- (283) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Vital Statistics of the United States—1961. Vol. II—Mortality, Part A. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication, 1964.
- (284) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Vital Statistics of the United States—1962. Vol. II—Mortality, Part A. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication, 1964.
- (285) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Vital Statistics of the United States—1963. Vol. II—Mortality, Part A. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication, 1965.
- (286) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Vital Statistics of the United States—1964. Vol. II—Mortality, Part A. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication, 1966.
- (287) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Vital Statistics of the United States—1965. Vol. II—Mortality,

- Part A. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication, 1967.
- (288) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Vital Statistics of the United States—1966. Vol. II—Mortality, Part A. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication, 1968.
- (289) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Vital Statistics of the United States—1967. Vol. II—Mortality, Part A. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication, 1969.
- (290) U.S. PUBLIC HEALTH SERVICE. NATIONAL CENTER FOR HEALTH STATISTICS. Vital Statistics Rates in the United States 1940–1960. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication No. 1677, 1968. 881 pp.
- (291) U.S. PUBLIC HEALTH SERVICE. Smoking and Health. Report of the Advisory Committee to the Surgeon General of the Public Health Service. Washington, U.S. Department of Health, Education, and Welfare, Public Health Service Publication No. 1103, 1964. 387 pp.
- (292) VALKO, P. Koureni a vyskyt zhoubnych novotvaru hrtanu. (Smoking and occurrence of malignant tumors of the larynx.) *Ceskoslovenska Otolaryngologie* 1: 102–105, 1952.
- (293) VAN DUUREN, B. L. Tobacco carcinogenesis. *Cancer Research* 28(11): 2357–2362, November 1968.
- (294) VAN DUUREN, B. L., SIVAK, A., LANGSETH, L., GOLDSCHMIDT, B. M., SEGAL, A. Initiators and promoters in tobacco carcinogenesis. IN: Wynder, E. L., Hoffmann, D. (Editors). *Toward a Less Harmful Cigarette*. Bethesda, U.S. Public Health Service, National Cancer Institute Monograph No. 28, June 1968. pp. 173–180.
- (295) VAN DUUREN, B. L., SIVAK, A., GOLDSCHMIDT, B. M., KATZ C., MELCHIONNE, S. Initiating activity of aromatic hydrocarbons in two-stage carcinogenesis. *Journal of the National Cancer Institute* 44(5): 1167–1173, May 1970.
- (296) VAN DUUREN, B. L., SIVAK, A., SEGAL, A., ORRIS, L., LANGSETH, L. The tumor-promoting agents of tobacco leaf and tobacco smoke condensate. *Journal of the National Cancer Institute* 37(4): 519–526, October 1966.
- (297) VINCENT, R. G., MARCHETTA, F. The relationship of the use of tobacco and alcohol to cancer of the oral cavity, pharynx or larynx. *American Journal of Surgery* 106(3): 501–505. September 1963.
- (298) VOGLER, W. R., LLOYD, J. W., MILMORE, B. K. A retrospective study of etiological factors in cancer of the mouth, pharynx, and larynx. *Cancer* 15(2): 246–258, March–April 1962.
- (299) WAGONER, J. K., ARCHER, V. E., CARROLL, B. E., HOLADAY, D. A., LAWRENCE, P. A. Cancer mortality patterns among U.S. uranium miners and millers, 1950 through 1962. *Journal of the National Cancer Institute* 32(4): 787–801, April 1964.
- (300) WAGONER, J. K., ARCHER, V. E., LUNDIN, F. E., JR., HOLADAY, D. A., LLOYD, J. W. Radiation as the cause of lung cancer among uranium miners. *New England Journal of Medicine* 273(4): 181–188, July 22, 1965.
- (301) WAGONER, J. K., MILLER, R. W., LUNDIN, F. E., JR., FRAUMENI, J. F., JR., HAIJ, M. E. Unusual cancer mortality among a group of underground metal miners. *New England Journal of Medicine* 269(6): 284–289, August 8, 1963.

- (302) WAHI, P. N., KEHAR, U., LAHIRI, B. Factors influencing oral and oropharyngeal cancers in India. *British Journal of Cancer* 19(4) : 642-660, December 1965.
- (303) WAINGROW, S. M., HORN, D., IKARD, F. F. Dosage patterns of cigarette smoking in American adults. *American Journal of Public Health and the Nation's Health* 58(1) : 54-70, January 1968.
- (304) WASSINK, W. F. Ontstaansvoorwaarden voor longkanker. (Conditions for the origin of lung cancer.) *Nederlands Tijdschrift voor Geneeskunde* 92(46) : 3732-3747, November 13, 1948.
- (305) WATSON, W. L., CONTE, A. J. Smoking and lung cancer. *Cancer* 7(2) : 245-249, March 1954.
- (306) WEIR, J. M., DUNN, J. E., JR. Smoking and mortality: A prospective study. *Cancer* 25(1) : 105-112, January 1970.
- (307) WEISBURGER, J. H., WEISBURGER, E. K. Tests for chemical carcinogens. IN: Busch, H. (Editor). *Methods in Cancer Research*. New York, Academic Press, 1967. pp. 307-398.
- (308) WICKEN, A. J. Environmental and Personal Factors in Lung Cancer and Bronchitis Mortality in Northern Ireland, 1960-62. London, Tobacco Research Council, Research Paper No. 9, 1966. 84 pp.
- (309) WILLIAMS, M. J. Extensive carcinoma-*in-situ* in the bronchial mucosa associated with two invasive bronchogenic carcinomas. Report of case. *Cancer* 5(4) : 740-747, July 1952.
- (310) WYNDER, E. L., BROSS, I. J. A study of etiological factors in cancer of the esophagus. *Cancer* 14(2) : 389-413, March-April 1961.
- (311) WYNDER, E. L., BROSS, I. J., CORNFIELD, J., O'DONNELL, W. E. Lung cancer in women. A study of environmental factors. *New England Journal of Medicine* 255(24) : 1111-1121, December 13, 1956.
- (312) WYNDER, E. L., BROSS, I. J., DAY, E. A study of environmental factors in cancer of the larynx. *Cancer* 9(1) : 86-110, January-February 1956.
- (313) WYNDER, E. L., BROSS, I. J., FELDMAN, R. M. A study of the etiological factors in cancer of the mouth. *Cancer* 10(6) : 1300-1323, November-December 1957.
- (314) WYNDER, E. L., CORNFIELD, J. Cancer of the lung in physicians. *New England Journal of Medicine* 248(11) : 441-444, March 12, 1953.
- (315) WYNDER, E. L., DODO, H., BLOCH, D. A., GANTT, R. C., MOORE, O. S. Epidemiologic investigation of multiple primary cancer of the upper alimentary and respiratory tracts. *Cancer* 24(4) : 730-739, October 1969.
- (316) WYNDER, E. L., GRAHAM, E. A. Tobacco smoking as a possible etiologic factor in bronchiogenic carcinoma. A study of six hundred and eighty-four proved cases. *Journal of the American Medical Association* 143(4) : 329-336, May 27, 1950.
- (317) WYNDER, E. L., GRAHAM, E. A., CRONINGER, A. B. Experimental production of carcinoma with cigarette tar. *Cancer Research* 13: 855-864, 1953.
- (318) WYNDER, E. L., GRAHAM, E. A., CRONINGER, A. B. Experimental production of carcinoma with cigarette tar. II. Test with different mouse strains. *Cancer Research* 15: 445-448, 1955.
- (319) WYNDER, E. L., HOFFMANN, D. Tobacco and Tobacco Smoke. *Studies in Experimental Carcinogenesis*. New York, Academic Press, 1967. 730 pp.
- (320) WYNDER, E. L., HOFFMANN, D. Experimental tobacco carcinogenesis. *Science* 162(3856) : 862-871, November 22, 1968.

- (321) WYNDER, E. L., HOFFMANN, D. A study of tobacco carcinogenesis. X. Tumor promoting activity. *Cancer* 24(2) : 289-301, August 1969.
- (322) WYNDER, E. L., HULTBERG, S., JACOBSSON, F., BROSS, I. J. Environmental factors in cancer of the upper alimentary tract. A Swedish study with special reference to Plummer-Vinson (Paterson-Kelly) syndrome. *Cancer* 10(3) : 470-487, May-June 1957.
- (323) WYNDER, E. L., KOPF, P., ZIEGLER, H. A study of tobacco carcinogenesis. II. Dose-response studies. *Cancer* 10(6) : 1193-1200, November-December 1957.
- (324) WYNDER, E. L., MAUBUCH, K., BEATTIE, E. J., JR. The epidemiology of lung cancer. Recent trends. *Journal of the American Medical Association* 213(13) : 2221-2228, September 28, 1970.
- (325) WYNDER, E. L., NAVARRETE, A., AROSTEGUI, G. E., LLAMBES, J. L. Study of environmental factors in cancer of the respiratory tract in Cuba. *Journal of the National Cancer Institute* 20(4) : 665-673, April 1958.
- (326) WYNDER, E. L., ONDERDONK, J., MANTEL, N. An epidemiological investigation of cancer of the bladder. *Cancer* 16(11) : 1388-1407, November 1963.
- (327) WYNDER, E. L., TAGUCHI, K. T., BADEN, V., HOFFMANN, D. Tobacco carcinogenesis. IX. Effect of cigarette smoke on respiratory tract of mice after passive inhalation. *Cancer* 21(1) : 134-153, January 1968.
- (328) WYNDER, E. L., WRIGHT, G. A study of tobacco carcinogenesis. I. The primary fractions. *Cancer* 10(2) : 255-271, March-April 1957.
- (329) YOSHIDA, O., BROWN, R. R., BRYAN, G. T. Relationship between tryptophan metabolism and heterotopic recurrences of human urinary bladder tumors. *Cancer* 25(4) : 773-780, April 1970.
- (330) YOSHIDA, O., MIYAKAWA, M., HARADA, T., OKADA, K. Bokogan no ekigaku ni okeru mondaiten. (Some aspects of the epidemiology of urinary bladder cancer.) *Nippon Rinsho* 26(8) : 1850-1854, August 1968.

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APPENDIX TABLES

TABLE A3.—Outline of methods used in retrospective studies of smoking in relation to lung cancer

Author, year, country, reference	Sex of cases	Number of persons and method of selection		Collection of data
		Cases	Controls	
Müller 1939, Germany (196).	M	86 lung cancer decedents	86 healthy men of the same age	Cases: Questionnaire sent to relatives of deceased. Controls: Not stated.
Schairer and Schöniger, 1943, Germany (242).	M	93 cancer decedents autopsied (average age 53.9).	270 men aged 53 and 54	Cases: Questionnaire sent to next of kin. Controls: Questionnaire sent to 700.
Potter and Tully, 1945, U.S.A. (212).	M	43 male patients over 40 years of age.	1,847 patients of same group with diagnoses other than cancer.	Cases and controls interviewed in clinics.
Wassink, 1948, Nether- lands (304).	M	134 male clinic patients with lung cancer.	100 normal men of same age groups as cases.	Cases: Interviewed in clinic. Controls: Not stated.
Schrek et al., 1950, U.S.A. (246).	M	82 male lung cancer cases among 5,003 patients recorded, 1941- 48.	522 miscellaneous tumors other than lung, larynx, pharynx, or lip.	Smoking habits recorded during routine hos- pital interview.
Mills and Porter, 1950, U.S.A. (186).	M	444 respiratory cancer decedents.	430 sample of residents matched by age in Columbus, Ohio, from census tracts strati- fied by degree of air pollution.	Cases: Relatives queried by mail question- naire or personal visit. Controls: House-to-house interviews.

TABLE A3.—Outline of methods used in retrospective studies of smoking in relation to lung cancer (cont.)

Author, year, country, reference	Sex of cases	Number of persons and method of selection		Collection of data
		Cases	Controls	
Levin et al., 1950, U.S.A. (169).	M	236 cancer hospital patients with diagnosed lung cancer.	481 patients in same hospital with nonma- lignant diagnoses.	Cases and Controls: Routine clinical history taken before diagnosis.
Wynder and Graham, 1950, U.S.A. (316).	M-F	605 hospital and private lung cancer patients in many cities.	780 patients of several hospitals with diag- noses other than lung cancer.	Nearly all data by personal interview; a few cases by questionnaire; a few from inti- mate acquaintances. Some interviews with knowledge or presumption of diagnosis, some with none. 595 diagnosed by tissue examination, nine by sputum, and one by pleural fluid examination.
McConnell et al., 1952, England, (180).	M-F	100 lung cancer patients, un- selected, in 3 hospitals in Liv- erpool area.	200 inpatients of same hospitals, matched by age and sex, without cancer.	Personal interviews by the authors of both cases and controls.
Doll and Hill, 1952, Great Britain (72).	M-F	1,465 patients with lung cancer in hospitals of several cities.	1,465 patients in same hospitals, matched by sex and age group; some with cancer of other sites, some without cancer.	Personal interviews of cases and controls by almoners.
Sadowsky et al., 1953, U.S.A. (232).	M	477 patients with lung cancer in hospitals in 4 states.	615 patients in same hospitals with illnesses other than cancer.	Personal questioning by trained interviewers.

TABLE A3.—Outline of methods used in retrospective studies of smoking in relation to lung cancer (cont.)

Author, year, country, reference	Sex of cases	Number of persons and method of selection		Collection of data
		Cases	Controls	
Wynder and Cornfield, 1953, U.S.A. (314).	M	63 physicians reported in AMA Journal as dying of cancer of the lung.	133 physicians of same group dying of cancer of certain other sites.	Mail questionnaire to estates of decedents.
Koulumies, 1953, Finland (151).	M-F	812 lung cancer patients diagnosed at one hospital.	300 male outpatients of same hospital over 40 years of age.	Cases and controls questioned about smoking habits when taking case histories. 351 diagnoses confirmed histologically; 494 diagnoses confirmed by clinical, X-ray, and operative data.
Lickint, 1953, Germany (170).	M-F	246 lung cancer patients in a number of hospitals and clinics.	2,002 sample of persons without cancer living in the same area and of the same sex and age range as cases.	Personal interviews by staff members of co-operating hospitals and clinics.
Breslow et al., 1954, U.S.A. (42).	M-F	518 lung cancer patients in 11 California hospitals.	518 patients admitted to same hospitals about the same time, for conditions other than cancer or chest disease, matched for race, sex, and age group.	Cases and controls questioned by trained interviewers, each matched pair by the same person.
Watson and Conte, 1954, U.S.A. (305).	M-F	301 patients at Memorial Hospital with lung cancer.	468 patients of same clinic during same period with diagnoses other than lung cancer.	The 769 consecutive patients of case and control groups were questioned by the same trained interviewer. Control group includes patients with oral and esophageal cancer and bronchitis.
Gsell, 1954, Switzerland (107).	M	135 men with diagnosis of bronchial carcinoma.	135 similar hospital patients with diagnoses other than lung cancer, and of the same age.	Personal interviews, all by the same person.