

หนังสืออ้างอิง

จินดา เทียมเมธ. ๒๕๐๓. หอยที่ใช้เป็นอาหารในกรุงเทพฯ. พระนคร: เอกสารเผยแพร่ การเกษตร มหาวิทยาลัยเกษตร.

ประยูร คีมา. ๒๕๑๐. บาลป้องกันกำจัดศัตรูพืช มวนย์และลักษณะ. พระนคร: กรมสิกรรม. วราภรณ์ อาจองค์. ๒๕๑๘. การบำบัดน้ำและการสะ蜃ของส้วมคักที่ในบ้าน. ล็อกซ์แกลโกร์-มาโทกราฟฟី. รายงานปัญหาพิเศษ คณะนักพัฒนาด้วย ชุมชนกรรณมหาวิทยาลัย. วิจิตร คงพูล. ๒๕๑๔. อันตราบจากภาษาแมลง. ชั้นพอกปูวันยาศาสตร์. ๗๙ (๑๖): ๙๖ - ๑๔.

Abbott, D.C., Harrison, R.B., Tatton, J.O'G., Thomson, J. 1965.

Organochlorine Pesticides in the Atmospheric Environment.

Nature, 208 : 1317.

Abedi, Z.H., Duffy, J.R., and Brown, A.W.A. 1963. Dehydrochlorination and DDT Resistance in Aedes aegypti. J. Econ. Entomol., 56: 511.

Agosin, M., Michaeli, D., Miskus, R., Nagasawa, S., and Hoskins, W.M. 1961. A New DDT Metabolizing Enzyme in the German Cockroach. J. Econ. Entomol., 54 : 340.

Allison, D.B., Kallman, J., Cope, O.B., and Van Valin, C.C. 1963.

Insecticides : Effects on Cutthroat Trout of Repeated Exposure to DDT. Science, 142 : 958-961.

Anonymous. 1951. Insecticide Storage in Adipose Tissue. J. Am. Med. Assoc., 145 : 735-736.

Anonymous. 1969. DDT Causes Thin Shells. Agr. Res., 18(2) : 15.

Anonymous. 1969 Berkeley, California. 1969. DDT : The World Has Been Doused With It for 25 Years. With What Results? Part. I. Calf. Health, 27(2) : 1-15.

Anonymous. 1970. Department of Customs, Foreign Trade Statistics of Thailand : December 1970.

- Anonymous. 1971. Department of Customs, Foreign Trade Statistics of Thailand : May 1971.
- Antommaria, P., Corn, M., and De Maio, L. 1965. Airborne Particulates in Pittsburgh : Association with p,p'-DDT. Science, 150 : 1476.
- Barker, R.J. 1958. Notes on Some Ecological Effects of DDT Sprayed on Elms. J. Wildl. Mgmt., 22 : 269-274.
- Barker, P.S., and Morrison, F.O. 1964. The Metabolism of TDE by Proteus vulgaris. Can. J. Zool., 43 : 652.
- Barker, P.S., Morrison, F.O., and Whitaker, R.S. 1965. Conversion of DDT to DDD by Proteus vulgaris, a Bacterium Isolated from the Intestinal Flora of a Mouse. Nature, 205 : 621.
- Barthel, W.F., Hawthorne, J.C., Ford, J.H., Bolton, G.C., Mc Dowell, L.L., Grissinger, E.H., and Parson, D.A. 1969. Pesticides in Water-Pesticide Residues in Sediments of the Lower Mississippi River and Its Tributaries. Pesticide Monitoring Journal, 3(1) : 8-34.
- Beckman, H., Bevenue, A., Carroll, K., and Erro, F. 1966. An Improved Method for the Analysis of DDT and Its Metabolites in Eggs. J. Ass. Offic. Agr. Chemists, 49(5) : 996.
- Behrbohm. 1962. In Kagen, Yu.S., et al. 1969. On the Problem of the Harmful Effect of DDT and Its Mechanism of Action. Res. Rev., 27 : 43-80.
- Boydak. 1957. In Kagen, Yu.S., et al. 1969. On the Problem of the Harmful Effect of DDT and Its Mechanism of Action. Res. Rev., 27 : 43-80.
- Breidenbach, A.W., and Lichtenberg, J.J. 1963. DDT and Dieldrin in Rivers : A Report of the Natural Water Quality Network.

Science, 141 : 899.

Brooks, G.T., and Harrison, A. 1963. Relation Between Structure, Metabolism and Toxicity of the 'Cyclodiene' Insecticides. Nature, 198 : 1169.

Bull, D.L., and Adkisson, P.L. 1963. Adsorption and Metabolism of <sup>14</sup>C-Labeled DDT by DDT-Susceptible and DDT-Resistant Pink Bollworm Adults. J. Econ. Entomol., 56 : 641.

Burdick, G.E., Harris, E.J., Dean, H.J., Walker, T.M., Skea, J., and Colby, D. 1964. The Accumulation of DDT in Lake Trout and the Effects on Reproduction. Trans. Amer. Fisheries Soc., 93 : 127-136.

Butler, P.A. 1960. Toxicity Studies in Mollusks. In Effects of Pesticides on Fish and Wildlife, U.S. Department of the Interior Fish and Wildlife Service Bureau of Sport Fisheries and Wildlife Circular 143.

Butler, P.A. 1961. Effects of Pesticides on Commercial Fisheries.

In Butler, P.A. 1966. The Problem of Pesticides in Estuaries. American Fisheries Society, Special Publication No.3 : 110-115.

Butler, P.A. 1964. Commercial Fishery Investigation. The Effects of Pesticides on Fish and Wildlife. Contribution No.60. of the BCF Biological Laboratory.

Butler, P.A. 1967. Pesticide in the Estuary. U.S. Bureau of Commercial Fisheries Gulf Breeze, Florida. Contribution No.85.

Chattoraj, A.N., and Kearns, C.W. 1958. In O'Brien, R.D. 1967. Insecticides Action and Metabolism. Academic Press New York and London.

- Chiba, M., and Morley, H.V. 1968. Studies of Losses of Pesticides During Sample Preparation. J. Ass. Offic. Agr. Chemists., 51 : 55.
- Cole, H., Barry, D., and Frear, D.E.H. 1966. DDT Contamination of Feed Grains and Forages in Pennsylvania. Bull. Environ. Contam. and Tox., 1(5) : 212-218.
- Conway, G., Dahlsten, D.L., Haskell, P., Herman, S., Kok, L.T., Newsen, L.D., Penkull, D., Peterle, T.J., Risebrough, R., Rivnay, E., Rudd, R., Smith, R.F., Stickel, L., and Bosch, R. 1969. DDT on Balance. Environment, 11(7) : 2-5.
- Cook, A.S. 1970. The Effect on o,p'-DDT on Japanese Quail. Bull. Environ. Contam. Toxicol., 5(2) : 152-157.
- Cope, O.B. 1961. Effects of DDT Spraying for Spruce Budworm on Fish in the Yellowstone River System. Trans. Am. Fish. Soc., 90(3) : 239-257.
- Cope, O.B., and Bridges, W.R. 1963. Alfalfa Weevil. In Pesticide Wildlife Studies. U.S. Fish and Wildl. Serv. Circ. 167 : 32.
- Cottam, C. 1965. The Ecologists' Role in Problems of Pesticide Pollution. BioSci. July 1965 : 457-463.
- Cottam, C., and Higgin, E. 1946. DDT and Its Effect on Fish and Wildlife. J. Econ. Entom., 39(1) : 44-52.
- Croker, R.A., and Wilson, A.J. 1965. Kinetics and Effects of DDT on a Tidal Marsh Ditch. Trans. Amer. Fisheries Soc., 94 : 152-159.
- Crouter, R.A., and Vernon, E.H. 1959. Effects of Black-Headed Budworm on Salmon and Trout in British Columbia. Canad. Fish. Culturist No. 24 : 23-40.

- Cumming, J. G., Zee, K. T., Turner, V., Quinn, F., and Cook, R.E. 1966. Residues in Eggs from Low Level Feeding of Five Chlorinated Hydrocarbon Insecticides to Hens. J. Ass. Offic. Agr. Chem., 49: 354.
- Datta, P. R., Laug, E. P., and Klein, A. K. 1964. Conversion of p,p'-DDT to p,p'-DDD in the Liver of the Rat. Science, 145 : 1052.
- Davidson, A. W. 1966. Collaborative Study of a Rapid Method for Multiple Chlorinated Pesticide Residues in Small Fruits. J. Ass. Offic. Agr. Chemists, 49(2) : 468.
- Davis, H. C. 1961. Effect of Some Pesticides on Eggs and Larvae of Oysters ( Crassostrea virginica ) and clams ( Venus mercenaria ). Commercial Fisheries Review, 23 : 8.
- Davis, K. B. 1965. The Effects of Lethal and Sublethal Doses of DDT on the Learning Ability, Group Behavior, and Liver Glycogen Storage in the Bobwhite, Colinus virginianus ( Linneaus ).
- In Dustman, E. H., and Stickel, L. F. 1966. Pesticide Residues in the Ecosystem. Pesticides and Their Effects on Soils and Water. ASA Special Publication No. 8 : 109-117.
- De Ong, E. R. 1948. Chemistry and Uses of Insecticides. New York : Reinhold Publishing Corporation.
- Dindal, D. L., and Peterle, T. J. 1968. Wing and Body Tissue Relationships of DDT and Metabolite Residues in Mallard and Lesser Scaup Ducks. Bull. Environ. Contam. and Tox., 3 : 37.
- Duggan, R. E. 1969. Pesticide Residues in Feeds. In Selected Technical Publications. July-December 1969. Food and Drug Administration U.S. Department of Health, Education, and Welfare Public Health Service.

- Edward, C.A. 1964. Factors Affecting the Persistence of Insecticides in Soil. Soil and Fert., 27 : 451-454.
- Edward, C.A. 1966. Insecticide Residues in Soils. Res. Rev., 13 : 83.
- Eichler. 1964. In Kagen, Yu.S., et al. 1969. On the Problem of the Harmful Effect of DDT and Its Mechanism of Action. Res. Rec., 27 : 43-80.
- Eide, P.M., Deonier, C.C., and Burrell, R.W. 1945. The Toxicity of DDT to Certain Form of Aquatic Life. J. Econ. Entomol., 38 : 492.
- Eidelman, M. 1962. Determination of Micro-Quantities of Chlorinated Organic Pesticide Residues in Butter. J. Ass. Offic. Agr. Chemists, 45(3) : 672-679.
- Epps, E.A., Bonner, F.L., Newsom, L.D., Carlton, R., and Smitherman, R.O. 1967. Preliminary Report on a Pesticide Monitoring Study in Louisiana. Bull. Environ. Contam. Toxicol., 2(6) : 333-339.
- Fichter, G.S. 1960. How Odd the Oysters. Reader's Digest, October : 176-180.
- Finley, R.B., and Pillmose, R.E. 1963. In O'Brien, R.D. 1967. Insecticides Action and Metabolism. Academic Press New York and London.
- Fischer, C.W. 1956. Pesticides, Past, Present and Prospects : 1. Insecticides, Miticides and Rodenticides. Chemical Week Report, p. 70.
- Gaul, J.A. 1966. Quantitative Calculation of Gas Chromatographic Peaks in Pesticide Residue Analysis. J. Ass. Offic. Agr. Chemists, 49(2) : 389-399.

- Giuffrida, L., Bostwick, D.C., and Ives, N.F. 1963. Rapid Cleanup Techniques for Chlorinated Pesticide Residues in Milk, Fats, and Oils. J. Ass. Offic. Agr. Chemists, 46 : 186-191.
- Hamence, J.H., Hall, P.S., and Caverly, D.J. 1965. The Identification and Determination of Chlorinated Pesticide Residues. Analyst, 90 : 649.
- Harvey, D.D., Bidstrup, P.L., and Bonnell, J.A.L. 1951. In Areekul, S., et al. 1962. Toxic Resdues of Insecticides in Some Tropical Crops and the Control of the Public Health Harzard. J. of the National Research Council, 3(1) : 55-84.
- Hayes W.J. 1965. In O'Brien, R.D. 1967. Insecticides Action and Metabolism. Academic Press New York and London.
- Hayes, W.J., Quinby, G.E., Walker, K.C., Elliot, J.W., and Upholt, W.M. 1958. In O' Brien, R.D. 1967. Insecticides Action and Metabolism. Academic Press New York and London.
- Horwitz, W. 1970. Pesticide Residues-Multiple Residues. General Method for Chlorinated and Phosphated Pesticides. Official Methods of Analysis of the AOAC. p.497.
- Hunt, E.G., and Bischoff, A.I. 1960. Inimical Effects on Wildlife of Periodic DDD Applications to Clear Lake. Calif. Fish. and Game, 46 : 91-106.
- Johnson, D.W. 1968. Pesticide and Fishes- A Review of Selected Literature. Trans. Amer. Fish., 97(4) : 398-420.
- Johnton, C.D. Unpublished Data. Division of Pharmacology Food and Drug Administration. In Areekul, S. et al. 1962. Toxic Residues of Insecticides in Some Tropical Crops and the

- Public Health Harzard. J. of the National Research Council,<sup>3</sup>  
(1) : 55-84.
- Judah, J.D. 1949. Studies on the Metabolism and Mode of Action of DDT.  
Brit. J. Pharmacol.,<sup>4</sup> 4 : 120.
- Kallman, B.J., and Andrew, A.K. 1963. Reductive Dechlorination of DDT  
to DDD by Yeast. Science,<sup>141</sup> 141 : 1050.
- Kagen, Yu.S., Fudel-Ossipova, S.I., Khaikina, B.J., Kuzminskaya, U.A.,  
and Kovton, S.D. 1969. On the Problem of the Harmful Effect  
of Action. Res. Rev.,<sup>27</sup> 27 : 43-80.
- Keller, E. 1970. The DDT Story. Chemistry,<sup>43</sup>(2) 43(2) : 8-12.
- Klein, A.K., Laug, E.P., Datta, P.K., Watts, J.O., and Chen, J.T.  
1964. Metabolites : Reductive Dechlorination of DDT to DDD  
and Isomeric Transformation of o,p'-DDT to p,p'-DDT in Vivo.  
J. Ass. Offic. Agr. Chemists,<sup>47</sup>(6) 47(6) : 1129.
- Laug, E.P., Nelson, A.A., Fitzhugh, O.G., and Kunze, F.M. 1950.  
Liver Cell Alteration and DDT Storage in the Fat of the Rat  
Induced by Dietary Levels of 1 to 50 ppm DDT. J. Pharmacol.  
Exptl. Therapsy,<sup>98</sup> 98 : 268.
- Laug, E.P., Kunze, F.M., and Prickett, C.S. 1951. In Areekul, S.  
et al. 1962. Toxic Residues of Insecticides in Some Tropical  
Crops and the Control of the Public Health Hazard. J. of the  
National Research Council,<sup>3</sup>(1) 3(1) : 55-84.
- Mendel, J.L., and Walton, M.S. 1966. Conversion of p,p'-DDT to p,p'-DDD  
by Intestinal Flora of the Rat. Science,<sup>151</sup> 151 : 1527.
- Mendel, J.L., Klein, A.K., Chen, J.T., and Walton, M.S. 1967.  
Metabolism of DDT and Some Other Chlorinated Organic Compounds

by Aerobacter aerogenes. J. Ass. Offic. Agr. Chemists, 50(4) :

897.

Menzel, D.B., Smith, S.M., Miskus, K., and Hoskins, W.M. 1961. The Metabolism of C<sup>14</sup>-Labeled DDT in the Larvae, Pupae, and Adults of Drosophila melanogaster. J. Econ. Entomol., 54 : 9.

Metcalf, R.L. 1955. Organic Insecticides Their Chemistry and Mode of Action. London : Interscience Publishers Ltd.

Mildred, L.P., Burke, J.A., Bertuzzi, P.F. 1967. Acetonitrile Dilution: A Possible Source of Error in the ' Rapid Method for Chlorinated Pesticide Residues in Nonfatty Foods '. J. Ass. Offic. Agr. Chemists, 50(3) : 644

Mills, P.A. 1959. Detection and Semiquantitative Estimation of Chlorinated Organic Pesticide Residues in Food by Paper Chromatography. J. Ass. Ass. Offic. Agr. Chemists, 42(4) : 734-740

Miskus, R. 1967. DDT in Methods of Pesticide Analysis. In Kagen, Yu.S. et al. 1969. On the Problem of the Harmful Effect of Action. Res. Rev., 27 : 43-80.

Miskus, R.P., and Blair, D.P. 1965. Conversion of DDT to DDD by Bovine Rumen Fluid, Lake Water, and Reduced Porphyrins. J. Agr. Food Chem., 13(5) : 481.

Modin, J.C. 1969. Residues in Fish, Wildlife, and Estuaries- Chlorinated Hydrocarbon Pesticides in California Bay and Estuaries. Pesticides Monitoring Journal, 3(1) : 1-7.

Moore, G.L., Greichus, Y.A., and Huggins, E.J. 1968. Insecticide Residues in Pronghorn Antelope of South Dakota. Bull. Environ Contam. and Tox., 3(5) : 269-273.

- Nimmo, D. R., Wilson, A.J., and Blackman, R.R. 1970. Localization of DDT in the Body Organs of Pink and White Shrimp. Bull. Environ. Contam. and Tox., 5(4) : 333-340.
- O'Brien, R.D. 1967. Insecticides Action and Metabolism. Academic Press New York and London.
- Onley, J.H., and Bertuzzi, P.F. 1966. Rapid Extraction Procedure for Chlorinated Pesticide Residues in Raw Animal Tissues and Fat Meat Products. J. Ass. Offic. Agr. Chemists, 49(2) : 370.
- Perry, A.S., Miller, S., and Buckner, A.J. 1963. In O'Brien, R.D. 1967. Insecticides Action and Metabolism. Academic Press New York and London.
- Peterson, J.E., and Robinson, W.H. 1964. In O'Brien, R.D. 1967. Insecticides Action and Metabolism. Academic Press New York and London.
- Pillmose, R., and Finley, R.B. 1963. Residues in Game Animals Resulting from Forest and Range Insecticide Applications. N. Amer. Wildl. Conf. Trans., 28 : 409-422.
- Pionke, H.B., Konrad, J.G., Chesters, G., and Armstrong, D.E. 1968. Extraction of Organochlorine and Organophosphate Insecticides from Lake Waters. Analyst, 93 : 363.
- Porter, R.D., and Wienmeyer, S.W. 1969. Dieldrin and DDT : Effects on Sparrow Hawk Eggshells and Reproduction. Science, 165 : 199.
- Robbins, C.S., Springer, P.F., and Webster, C.G. 1957. Effects of Five-Year DDT Application on Breeding Bird Population. J. Wildl. Mgmt. 15 : 213-216.
- Robertson, E.A., and Tyo, R.M. 1966. Note on Improved Extraction for

- 78
- Chlorinated Pesticide Residues in Oysters. J. Ass. Offic. Agr. Chemists, 49(3) : 683-684.
- Sawyer, A.D. 1966. Study of Extraction Procedure for Chlorinated Organic Pesticide in Fresh Eggs. J. Ass. Offic. Agr. Chemists, 49(3) : 643-647.
- Shaw, W.C. 1966. Pesticides and Their Effects on Soils and Water. ASA Special Publication, No. 8. Published by the Soil Science Society of America, Inc.
- Siewierske, M., and Helrich, K. 1967. Separation, Identification, and Measurement of DDT and Its Metabolites. J. Ass. Offic. Agr. Chemists, 50(3) : 627-633.
- Simmond, S.W. 1968. The Pesticides Program Activities of the Public Health Service. Public Health Reports, 83 : 972.
- Springer, P.F., and Webster, J.R. 1951. Biological Effects of DDT Applications on Tidal Salt Marshes. N. Amer. Wildl. Conf. Trans. 16 : 383-396.
- Stanley, R.L., and Le Favoure, H.T. 1965. Rapid Digestion and Cleanup of Animal Tissue for Pesticide Residue Analysis. J. Ass. Offic. Agr. Chemists, 48 : 666.
- Steinberg, and Rybakova. 1967. In Kagen, Yu.S., et al. 1969. On the Problem of the Harmful Effect of DDT and Its Mechanism of Action. Res. Rev., 27 : 43-80.
- Sternburg, J., and Kearns, C.W. 1952. The Presence of Toxins Other Than DDT in the Blood of DDT-poisoned Roaches. Science, 116: 114.
- Stout, V.F. 1968. Pesticide Levels in Fish of the Northeast Pacific. Bull. Environ. Contam. and Tox., 3(4) : 240-245.

- Stucky, N.P. 1969. Pesticide Residue in Channel Catfish from Nebraska.  
Reprinted by the U.S. Department of Health, Education, and  
Welfare Public Health Service.
- Tolbert, C.E. 1966. Column Chromatographic Cleanup Procedure for the  
Isolation of Chlorinated Pesticide in Oil. J. Ass. Offic. Agr. Chemists, 49(2) : 386.
- Tsukamoto, M. 1959. In O' Brien, R.D. 1967. Insecticides Action and Metabolism. Academic Press New York and London.
- Tucker, R.K., and Haegele, H.A. 1970. Eggshell Thinning as Influenced by Method of DDT Exposure. Bull. Environ. Contam. and Tox., 5(3) : 191.
- Vaskovskaya, and Komarova. 1967. In Kagen, Yu.S., et al. 1969. On the Problem of the Harmful Effect of DDT and Its Mechanism of Action. Res. Rev., 27 : 43-80.
- Walker, K.C., and Beroza, M. 1963. Thin-Layer Chromatography for Insecticide Analysis. J. Ass. Offic. Agr. Chemists, 46(2) : 250-261.
- Warnick, S.L., and Gaufin, A.R. 1965. Determination of Pesticides by Electron Capture Gas Chromatography. J. Amer. Water Works Assoc., 57 : 1023-1027.
- Wassermann, F.Z. 1926. In Areekul, S., et al. 1962. Toxic Residues of Insecticides in Some Tropical Crops and the Control of the Public Health Hazard. J. of the National Research Council, 3(1) : 55-84.
- Watts, J.O., and Klein, A.R. 1962. Determination of Chlorinated

Pesticide Residues by Electron-Capture Gas Chromatography.

J. Ass. Offic. Agr. Chemists, 45(1) : 102-108.

Wheatley, G.A., and Hardman, J.A. 1965., Indications of the Presence of Organochlorine Insecticides in Rainwater in Central England. Nature, 207 : 486-487.

White, W.C., and Sweeney, T.R. 1945. The Metabolism of 2,2 Bis( p-Chlorophenyl, 1,1,1 Trichloroethane (DDT). I. A Metabolite from Rabbit Urine, Di( p- Chlorophenyl) Acetic Acid; Its Isolation, Identification, and Synthesis. Public Health Rept., 60: 66.

Woodwell, G.M. 1967. Toxic Substances and Ecological Cycles.

Scientific American, 216 : 24-31.

Woodwell, G.M., and Martin, F.T. 1964. Persistence of DDT in Soils of Heavily Sprayed Forest Stands. Science, 145 : 481.

Woodwell, G.M., Wurster, C.F., Isaacson, P.A. 1967. DDT Residues in an East Coast Estuary : A Case of Biological Concentration of a Persistent Insecticide. Science, 156 : 821-823.

Wurster, C.F., Wurster, D.H., and Strickland, W.N. 1965. Bird Mortality after Spraying for Dutch Elm Disease with DDT. Science, 148 : 90.

### ประวัติการศึกษา

นางสาววรรณี อาร่อง สำเร็จการศึกษาวิทยาศาสตรบัณฑิต ( เกียรตินิยม )  
แผนกวิช่าวิทยา คณะวิทยาศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย พ.ศ. 2513 เข้าศึกษาใน  
คณะบัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย ปีการศึกษา 2513