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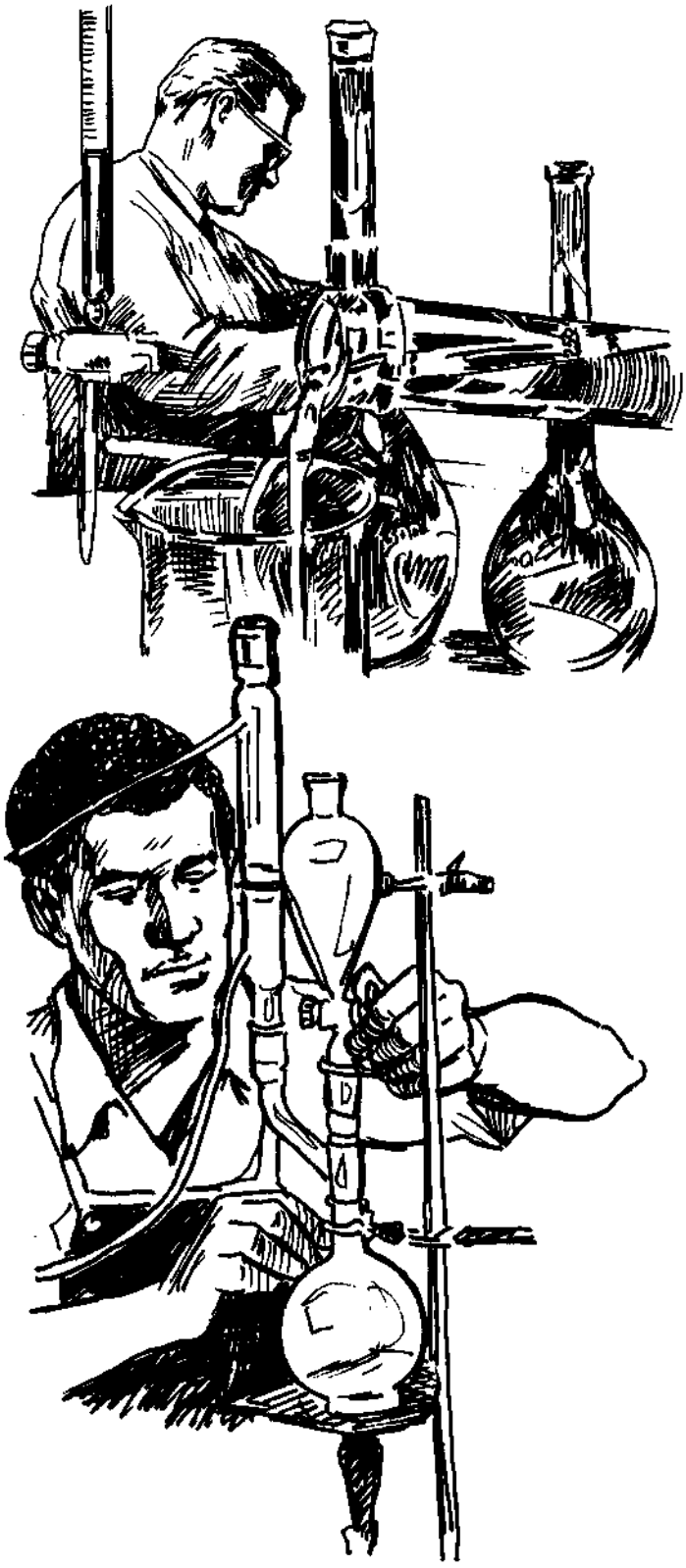

Selected Bibliography of the Phenoxy Herbicides

VI. Methods of Extraction and Analysis

The Texas Agricultural Experiment Station, Neville P. Clarke, Director,
The Texas A&M University System, College Station, Texas

In cooperation with Federal Research—Science
and Education Administration, U.S. Department of Agriculture

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SELECTED BIBLIOGRAPHY OF THE PHENOXY HERBICIDES

VI. Methods of Extraction and Analysis

R. W. Bovey and J. D. Diaz-Colon*

Introduction

Five previous phenoxy herbicide bibliographies regarding fate, dioxin, toxicology, ecology, and microorganisms were published in 1976, 1977, and 1978.

Acceptable extraction and analytical procedures are required to monitor accurately the phenoxy herbicide residues in animals, plants and the environment. This publication provides a list of the older, as well as the latest techniques available.

References are listed in alphabetical order according to senior author's name. A subject numerical index is provided. Each number identifies a reference in the author's alphabetical list. For references published in languages other than English, the abbreviated form of the particular language is enclosed in parentheses after the title. A list of the abbreviated and complete names of languages and a list of the abbreviated and complete names of periodicals, together with their countries and cities of origin, is also provided. If English abstracts for the references are available, the abstract sources are included after the listed reference.

*Respectively, research agronomist and agricultural research technician, Federal Research, Science and Education Administration, U.S. Department of Agriculture, and The Texas Agricultural Experiment Station (Department of Range Science).

List of Abbreviated Sources

Acta Chem. Scand.	Acta Chemica Scandinavica (Copenhagen, Denmark)
Acta Vet. Scand.	Acta Veterinaria Scandinavica (Copenhagen, Denmark)
Advan. Chem. Ser.	Advances in Chemistry Series (Washington, D.C.)
Advan. Pest Control Res.	Advances in Pest Control Research (New York, N.Y.)
Agrochimica	Agrochimica (Pisa, Italy)
Agron. J.	Agronomy Journal (Madison, Wisc.)
Am. Chem. Soc., Abstr. Pap., Nat. Meet., Pestic. Chem. Sec.	American Chemical Society, Abstracts of Papers of the National Meetings, Pesticides Chemistry Section (Washington, D.C.)
Anal. Biochem.	Analytical Biochemistry (Baltimore, Md.)
Anal. Chem.	Analytical Chemistry (Washington, D.C.)
Anal. Methods Pestic. Plant Growth Regul.	Analytical Methods for Pesticides and Plant Growth Regulators (New York, N.Y.)
Analyst	Analyst (London, England)
An. Quim.	Anales de Quimica (Madrid, Spain)
Ann. Chim.	Annali di Chimica (Rome, Italy)
Ann. Falsif. Expert. Chim.	Annales des Falsifications et de l'Expertise Chimique (Paris, France)
Arch. Environ. Contam. Toxicol.	Archives of Environmental Contamination and Toxicology (New York, N.Y.)
Arch. Vet. Ital.	Archivio Veterinario Italiano (Milan, Italy)
Arm. Khim. Zh.	Armyanskii Khimicheskii Zhurnal (Yerevan, USSR)
Biol. Plant	Biologia Plantarum (Prague, Czechoslovakia)
Bot. Gaz.	Botanical Gazette (Chicago, Ill.)
Bull. Environ. Contam. Toxicol.	Bulletin of Environmental Contamination and Toxicology (New York, N.Y.)
Can. J. Soil Sci.	Canadian Journal of Soil Science (Ottawa, Canada)

Cesk. Hyg.	Ceskoslovenska Hygiene (Prague, Czechoslovakia)
Chem. Abstr.	Chemical Abstracts (Columbus, Ohio)
Chem. Anal.	Chemia Analityczna (Warsaw, Poland)
Chem. Rundsch.	Chemische Rundschau (Solothurn, Switzerland)
Chim. Anal.	Chimie Analytique (Malmaison, France)
Chromatographia	Chromatographia (Brunswick, Germany)
Contrib. Boyce Thompson Inst.	Contributions from Boyce Thompson Institute (Yonkers, New York, N.Y.)
Down Earth	Down to Earth (Midland, Mich.)
Dtsch. Lebensm.-Rundsch.	Deutsche Lebensmittel-Rundschau (Stuttgart, Germany)
Eisei Kagaku	Eisei Kagaku (Tokyo, Japan)
Environ. Sci. Technol.	Environmental Science and Technology (Washington, D.C.)
Farm. Zh. (Kiev)	Farmatsevtichnii Zhurnal (Kiev, USSR)
Fresenius Z. Anal. Chem.	Fresenius Zeitschrift fuer Analytische Chemie (Berlin, Germany)
Gig. Sanit.	Gigiena i Sanitariya (Moscow, USSR)
Gig. Tr. Prof. Zabol.	Gigiena Truda i Professional'nye Zabolevaniya (Moscow, USSR)
Health Aspects Pestic.	Health Aspects of Pesticides, Abstract Bulletin (Chamblee, Ga.)
Hilgardia	Hilgardia (Berkeley, Calif.)
Igiena	Igiena (Bucharest, Rumania)
Int. J. Environ. Anal. Chem.	International Journal of Environmental Analytical Chemistry (London, England)
Int. Sugar J.	International Sugar Journal (High Wycombe, England)

J. Agric. Food Chem.	Journal of Agriculture and Food Chemistry (Washington, D.C.)
J. Air Pollut. Control Assoc.	Journal of the Air Pollution Control Association (Pittsburgh, Pa.)
J. Am. Water Works Assoc.	Journal of the American Water Works Association (New York, N.Y.)
J. Assoc. Off. Agric. Chem.	Journal of the Association of Official Agricultural Chemists (Washington, D.C.)
J. Assoc. Off. Anal. Chem.	Journal of the Association of Official Analytical Chemists (Washington, D.C.)
J. Chromatogr.	Journal of Chromatography (Amsterdam, Netherlands)
J. Chromatogr. Sci.	Journal of Chromatographic Science (Niles, Ill.)
J. Environ. Sci. Health, Part B	Journal of Environmental Science and Health. Part B. Pesticides, Food Contaminant and Agricultural Wastes (New York, N.Y.)
J. Fish. Res. Board Can.	Journal of the Fisheries Research Board of Canada (Ottawa, Ontario, Canada)
J. Sci. Food Agric.	Journal of the Science of Food and Agriculture (London, England)
Kerteszetiegy. Kozl.	Kerteszetiegyetem Kozlemenyei (Budapest, Hungary)
Khim. Sel'sk. Khoz.	Khimiya v Selsom Khoziastive (Moscow, USSR)
Meded. Fac. Landbouwwet., Rijksuniv. Gent	Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniverisiteit Gent (Ghen, Belgium)
Mikrochim. Acta	Mikrochimica Acta (Vienna, Austria)
Nachrichtenbl. Dtsch. Pflanzenschutzdienstes (Braunschweig)	Nachrichtenblatt des Deutschen Pflanzenschutzdienstes (Braunschweig) (Stuttgart, Germany)
Nahrung	Nahrung (Berlin, Germany)
Nippon Dojo Hiryogaku Zasshi	Nippon Dojo Hiryogaku Zasshi (Tokyo, Japan)
Noyaku Kagaku	Noyaku Kagaku (Tokyo, Japan)
Noyaku Kensasho Hokoku	Noyaku Kensasho Hokoku (Tokyo, Japan)

Period. Polytech., Chem. Eng.	Periodica Polytechnica, Chemical Engineering (Budapest, Hungary)
Pestic. Abstr.	Pesticides Abstracts (Washington, D.C.)
Pestic. Monit. J.	Pesticides Monitoring Journal (Atlanta, Ga.)
Pestic. Sci.	Pesticide Science (London, England)
Phytiatr. Phytopharm.	Phytiatrie-Phytopharmacie (Versailles, France)
Phytochemistry	Phytochemistry (New York, N.Y.)
Plant Physiol.	Plant Physiology (Kutztown, Pa.)
Plant Soil	Plant and Soil (The Hague, Netherlands)
Pollut. Abstr.	Pollution Abstracts (Louisville, Ky.)
Probl. Anal. Khim.	Problemy Analiticheskoi Khimii (Moscow, USSR)
Proc. Am. Soc. Hortic. Sci.	Proceedings of the American Society for Horticultural Science (St. Joseph, Mich.)
Proc. Am. Water Works Assoc.	Proceedings of American Water Works Association (New York, N.Y.)
Proc. Nat. Acad. Sci. U.S.A.	Proceedings of the National Academy of Sciences of the United States of America (Washington, D.C.)
Proc. Soil Sci. Soc. Am.	Proceedings of the Soil Science Society of America (Madison, Wis.)
Proc. South. Weed Conf.	Proceedings of the Southern Weed Conference (St. Louis, Mo.)
Proc. West. Soc. Weed Sci.	Proceedings of the Western Society of Weed Science (Logan, Utah)
Residue Rev.	Residue Reviews (New York, N.Y.)
Riso	Riso (Milan, Italy)
Rocz. Panstw. Zakl. Hig.	Roczniki Panstwowego Zakladu Higieny (Warsaw, Poland)
Science	Science (Washington, D.C.)
Soil Crop Sci. Soc. Fla., Proc.	Soil and Crop Science Society of Florida, Proceedings (Gainesville, Fla.)

Sud. Med. Ekspert.	Sudebno-Meditsinskaya Ekspertiza (Moscow, USSR)
U.S. Fish Wildl. Serv., Cir.	U.S. Fish and Wildlife Service, Circular (Washington, D.C.)
Vopr. Pitan.	Voprosy Pitaniya (Moscow, USSR)
Water Res.	Water Research (Oxford, England)
Weed Abstr.	Weed Abstracts (Oxford, England)
Weed Res.	Weed Research (Oxford, England)
Weed Sci.	Weed Science (Champaign, Ill.)
Weeds	Weeds (Champaign, Ill.)
Z. Chem.	Zeitschrift fuer Chemie (Leipzig, E. Germany)
Zentralbl. Bakteriol., Parasitenkd., Infektionskr. Hyg., Abt. 1: Orig., Reihe B	Zentralblatt fuer Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene, Abteilung 1: Originale, Reihe B (Stuttgart, Germany)
Zh. Anal. Khim.	Zhurnal Analiticheskoi Khimii (Moscow, USSR)

Language Abbreviation

Cs - Czech	It - Italian
De - German	Ja - Japanese
Es - Spanish	Pl - Polish
Fr - French	Ro - Romanian
Hu - Hungarian	Ru - Russian

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