Committee on Food Nutrition

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Committee Actions

The Committee was especially active in 2000–2001. Two conference call meetings were held, respectively, on January 12 and May 4, 2001. Methods for the Determination of trans-Galactooligosaccharides (TGOS) in Foods and Isoflavones in Soy and Soy-Containing Foods were approved Official First Action. At the Committee meeting on September 9, 2001, in Kansas City, a collaborative study report on Determination of Vitamins A and E in Foods by Liquid Chromatography was approved for publication; however, only the method Determination of Vitamin A by LC was approved Official First Action. A collaborative study protocol was also approved, dealing with the Determination of Resistant Starch in Foods subject to further review by the General Referee, Dietary Fiber. Especially in the teleconferences, the procedure of auditing reports and methods beginning with all Committee members’ comments and following with page-by-page reviews, proved useful and productive. Authors were on call for questions during the reviews. In addition, Committee members held numerous e-mail exchanges across the globe on technical and administrative issues throughout the year. The commitment of Committee member Dave Woollard from New Zealand is gratefully acknowledged for his availability in the teleconferences despite time zone and date shift relative to Washington, DC.

AOAC INTERNATIONAL has suggested that the subject of Botanicals and Other Supplements be shifted to another Methods Committee and the proposal is under review. Administrative changes included the resignation of one member and the expiration of the terms of 2 other members. Committee Chair Sungsoo Cho waived her right (under the terms of reference of the Committee) to continue as a past-chair member for next year and resigned from the Committee. David C. Woollard accepted the position of Committee Chair, effective on September 9. Six new Committee members were appointed whose terms began on September 10. Two current Committee members were confirmed through September 2003, and 2 current Committee members were confirmed through September 2004. The composition of the Committee on Food Nutrition for 2001–2002 is appended. The new Committee is at its full complement of 11 members.

Botanical and Other Supplements, Joseph Michael Betz

(1) Ephedra Alkaloids: Appoint William Obermeyer (ConsumerLab.com, Pasadena, MD) as Topic Advisor. Find a Study Director. Design a collaborative study of the LC method for these compounds.

(2) Botanical Microscopy: Appoint a new Topic Advisor. A number of individuals have indicated an interest in the position, but none has yet committed.

(3) Hydroxycitric Acid in Garcinia cambogia: Find and appoint a Study Director.

(4) Proanthocyanidins: Appoint a new Topic Advisor.
(5) Ginsenosides in Ginseng: Approve method with changes suggested by the Methods Committee. Retain current Study Directors.

(6) Mycotoxins in Botanicals: Recommend to Mary Truckess (General Referee, Mycotoxins, Natural Toxins Committee) that a Topic Advisor is appointed in her GR subject area and is under the auspices of the Natural Toxins Committee.

(7) St. John’s Wort: Current Study Director has no plans to develop a collaborative study protocol in the near future. Maintain as a Topic Advisor. Appoint a new Study Director.

(8) Kava Kava: Current Study Director has no plan to develop a collaborative study protocol in the near future. Maintain as a Topic Advisor. Appoint a new Study Director.

(9) Skullcap Adulteration by Germander: This remains an important health issue. Maintain current Study Director as Topic Advisor. Appoint a new Study Director.

(10) Digitalis: This remains an important health issue. Find and appoint Topic Advisor and Study Director.

(11) Recommend that AOAC INTERNATIONAL encourage activity in appropriate Methods Committees to address lack of methods applicable to supplement products, whether directed to identify botanical substitution or adulteration/contamination by components with high levels of pesticides, toxic elements, mycotoxins, microorganisms, and synthetic pharmaceuticals. Begin process of required multidisciplinary approach by organizing symposium devoted to all above issues.

Dietary Fiber, Leon Prosky

(1) 2000.11 Polydextrose in Foods, Ion Chromatography Method: Study Director Stuart Craig, Danisco Cultor, 440 Saw Mill River Rd, Ardsley, NY 10502, Tel: +1-914-674-6574, Fax: +1-914-674-6575, E-mail: stuart.craig@danisco.com. Continue study until final approval.

(2) 2001.02 trans-Galactooligosaccharides in Food and Food Products, Ion-Exchange Chromatographic Method: Study Director Jaap de Slegte, Borculo Domos Ingredients, Needseweg 23, 7271 AB Borculo, The Netherlands, Tel: +31-545-256789, Fax: +31-545-256625, E-mail: j.deslegte@bdi.nl. Continue study until final approval.

(3) 2001.03 Determination of Total Dietary Fiber and Low Molecular Weight Resistant Maltodextrin in Selected Foods by Combination of an Enzymatic-Gravimetric Method and Liquid Chromatography: Study Directors Kazuhiro Ohkuma, Masutani Chemical Industry Co., Ltd., 5-3 Kita-Itami, Itami City, Hyogo, Japan 664-8508, Tel: +81-727-71-2010, Fax: +81-727-72-0766, E-mail: XLMI0052@nifty.ne.jp, and Dennis T. Gordon, North Dakota State University, PO Box 5728, Harris Hall, Fargo, ND, Tel: +1-701-231-7712, Fax: +1-701-231-7723, E-mail: dgordon@plains.nodak.edu. Continue study until final approval.

Fats and Oils, Martin P. Yurawecz and David Firestone

(1) Total Isolated trans Isomers in Margarines and Shortenings by Infrared Spectroscopy: Study Director Magdi Mossoba, FDA, CFSAN, OPS, DCH 200 C St SW, Washington, DC 20204, Tel: +1-202-205-4938, Fax: +1-202-205-4128, E-mail: mmn@cfsan.fda.gov. Continue study.

(2) Marine Oils: Study Director Robert G. Ackman, DalTech, Dalhousie University, Canadian Institute of Fisheries Technology, PO Box 1000, 1360 Barrington St, Halifax, NS B3J 2X4, Canada, Tel: +1-902-420-0219, E-mail: odorjr@dal.ca. Continue study.

(3) Olive Oil Adulteration: Study Director Enzo Fedeli, Experimental Station for Oils, Via Giuseppe Colombro 79, Milano 20133, Italy. Continue study.

(4) Oxidized Fats: Study Director Michael Blumenthal, Libra Technologies, Inc., 101 Liberty St, Metuchen, NJ 08840, Tel: +1-732-321-5203, E-mail: mmbphd@interactive.net. Continue study.

(5) Sterols and Tocopherols: Appoint new Study Director.

(6) Total, Saturated, and Monounsaturated Fats in Food stuffs by Hydrolytic Extraction: Study Director John Szpylka, General Mills, 9000 Plymouth Ave N., Minneapolis, MN 55427, Tel: +1-612-764-3078, Fax: +1-612-764-3078, E-mail: john.szpylka@gemmills.com. Continue study.

(7) Oil in Oils and Oils, Supercritical Fluid Extraction: Study Director Leslie J.D. Myer, LECO Corp., 3000 Lakeview Ave, St. Joseph, MI 49085-2396, Tel: +1-616-982-8987, E-mail: les_myer@leco.com. Continue study.

Infant Formulas and Medical Diets, Vacant

(1) Withdraw last year’s recommendation to repeal methods 992.06, 992.26, and 992.27 based on review of objections by the analytical community. Methods are still in use.

(2) Seek General Referee to follow on other recommendations of last year and to appoint Study Directors and Advisors as appropriate.

Minerals, Kathleen K. Cook

Merge subject into Nonvitamin Micronutrients.

Sugars and Sugar Products, Raffaele Bernetti

(1) Surplus Table 940.39, Appendix C, as it refers to Munson Walker method 906.03 and other methods that refer to it, all surplused between 1989 and 2000.

(2) Cane and Beet Sugar Products: Study Director Gillian Eggleston, Southern Regional Research Center, U.S. Department of Agriculture, 1100 Robert E. Lee Blvd, New Orleans, LA 70124, Tel: +1-504-286-4446, Fax: +1-504-286-4367, E-mail: gillian@comm-server.ssrc.usda.gov. Change topic to Ion Chromatography of Sugar and Sugar Products. Develop study protocol(s).

(3) AOAC/ICUMSA Method for Glucose and Fructose in Sugar: Study Director Kevin Schäffler, Sugar Milling Research Institute, University of Natal, Durban 4041 South Africa, Tel: +27-31-2616862, Fax: +27-31-2616866, E-mail: kevin@smri.org. Expand scope of Official First Action Method approved in 2000 for raw cane sugar and pursue Final Action.
(4) Visual Appearance of Sugar and Sugar Products: Study Director Mary Godshall, Sugar Processing Research Institute, Inc., 1100 Robert E. Lee Blvd, New Orleans, LA 70124-4305, Tel: +1-504-286-4329, Fax: +1-504-282-5387, E-mail: godshall@comm-server.srrc.usda.gov. Delete topic because of little or no activity during the last 2 years. Appoint as Topic Advisor, ICUMSA Methods.

(5) Honey: Study Director Peter Martin, Q.P. Services, Orchard Cottage, Crazies Hill, Reading RC10 8LU, United Kingdom, Tel: +44-118-940-2212, Fax: +44-118-940-1235, E-mail: Honeysci@aol.com. Review needs of topic and appoint Topic Advisor and/or new Study Director.

(6) Maple Sap, Maple Syrup, and Maple Products: Study Director Germain Brazeau has resigned. Appoint new Study Director, Spectrofluorimetric Method for Formaldehyde in Maple Syrup.

(8) Stable Isotope Ratio Analysis: Study Director Réal Paquin, Agriculture Quebec, C2 105, 2700 Rue Einstein, Saint Foy, QC G1P 3W8 Canada, Tel: +1-418-644-5232, Fax: +1-418-643-0131, E-mail: rpaquin@phy.ulaval.ca. Continue study of update of current method(s).


(10) Sugar Alcohols: Study Director Jeff Rohrer, Dionex Corp., 1228 Titan Way, PO Box 3603, Sunnyvale, CA 94088-3603, Tel: +1-408-481-4216, Fax: +1-408-737-2470, E-mail: Jeff.Rohrer@dionex.com. Seek to establish related Topic Advisor, Hypocaloric Sweeteners.

(11) Oligosaccharides: Delete topic because of little or no activity by former Study Director during the last 2 years.

(12) Enzyme and Enzymatic Analysis in Sugar and Sugar Products: Delete topic. Former Study Director Susan Hunyadi Rodgers has resigned.

(13) Weighing, Taring, and Sampling: Delete topic for lack of progress.

(14) Corn Syrup and Other Starch-Derived Sweeteners: Former Study Director David Jackson, University of Nebraska-Lincoln, Department of Food Science and Technology, 256 Food Industry Bldg, Lincoln, NE 68583-0919, Tel: +1-402-472-2814, Fax: +1-978-945-1285, may want to serve as Topic Advisor. Appoint Study Director to update methods 979.23 and 983.22 in keeping with modern equipment and generic descriptions of instrumentation and reagents used in saccharide liquid chromatography.

**Fat-Soluble Vitamins, Vacant**

Study Director Karlene Silvera. Method Tracking No. E-18: Vitamin A and Vitamin E in Foods by HPLC has been approved Official First Action limited to Vitamin. Authors to revise collaborative study report prior to publication. Continue study.

**Nonvitamin Micronutrients, Harvey E. Indyk**

(1) Determination of Isoflavones in Soy and Foods Containing Soy by Extraction, Saponification, and LC: Study Directors Stephen P. Klump and John L. MacDonald. Proceed with OMA review process. First Action approval given by the Food Nutrition Committee by conference call. Subject to ratification by the OMB, this will be a new OMA method.

(2) Nucleotides in Infant Formulas and Milk: Study Director Bruce Molitor now appointed. Prepare method protocol for AOAC approval at earliest opportunity.

(3) Antioxidant Activity in Foods: Appoint Aruna Prakash as Study Director and prepare method protocol for AOAC approval at the earliest opportunity.

(4) Determination of IgG Levels in Milk and Colostrum: Study Directors Donald Otter and Colin Hughes to be appointed. Prepare the method protocol for AOAC approval at earliest opportunity.

**Water-Soluble Vitamins**

(1) Detection of Folic Acid in Foods by LC: Study Director Shang-Jing Pan, Abbott Laboratories, Ross Product Division, 3300 Stelzer Rd, Columbus, OH 43219, Tel: +1-614-624-7160, Fax: +1-614-624-7270. Discontinue collaborative study, replacing it with another when available.

(2) Vitamin C in Foods, LC Method: Study Director Allan Brause. Continue with preparation of the study report. Submit to AOAC, for the next Food Nutrition Committee meeting.


(4) Determination of Calcium Pantothenate in Vitamin Premixes and Tablets Using LC: Study Director Gerald Woollard. Prepare revised method protocol for AOAC approval at the earliest opportunity.