

1973 AOCS Committee reports

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ADMINISTRATIVE COMMITTEES

AOCS Foundation Board *Henry G. Salomon*

A survey of AOCS committees to determine their future plans and requirements with relation to the Foundation was carried out. The results of that survey have not been all we might have hoped. Nevertheless, a survey of our industry members is now in progress. We hope through these surveys to come to a better understanding of the needs of all classes of membership and of their view of the future. The Foundation, and thus the Society, then should be in a better position to respond to these needs.

It is the Foundation's greatest task to put the best imaginative thinking to work for the benefit of our members, both in industry and in the academic world. Even to find this direction intelligently will take some funds. Along this line, it is a delight to say that AOCS's Northeast Section has shown its confidence in the AOCS Foundation by giving it a magnanimous grant of \$1000. Other sections please take note!!

Awards Administrative Committee *E.G. Hammond*

The Awards Administrative Committee (AAC) is a relatively new committee established to oversee the various awards given in the name of AOCS. The present committee found that stronger ties needed to be established by the AAC and the committees actually in charge of selecting nominees for the various awards. It was agreed at the meeting in Chicago that this could best be achieved by having the chairman of the AAC appoint the chairmen of the award committees with the approval of the president. Also, in the future, the AAC chairman will report to the board on behalf of the award committees, instead of having a report from each committee.

Deadlines were established with respect to the selection of a recipient for the Award in Lipid Chemistry, so that there would be more time to notify the recipient and more time for the recipient to arrange to attend the meeting where he will receive the award.

The Bond Award Committee changed its selection procedure to allow more audience participation in the selection of recipients. It is hopeful that this larger sample will allow more accurate evaluation of the oral presentation of papers given at the meetings. The audience also will be asked to give an opinion of the content of the papers, as well as the clarity of presentation.

Education Committee *Nicholas Pelick*

The 1973 Summer Conference on the Analysis of Lipids and Lipoproteins, chaired by E.G. Perkins and held in Champaign, Illinois, was a technical and financial success. Papers from the conference are being edited into a monograph form to be published by the Society in late 1974. In June 1974 an expanded, updated version of the conference was held in Washington, D.C.

Two short courses are scheduled for 1975. Paul Sosis will chair a course on surfactants at Hershey, Pa., in June, and Lloyd Witting will chair a glycolipids course during the same month, probably in Aspen, Colorado.

Also under consideration is a possible short course on shortenings and margarines by LeRoy Dugan and one on proteins by Marvin Formo.

The committee is considering ways to publicize AOCS education activities, possibly through the use of a brochure listing course outlines, fees, etc.

Examination Board *E.R. Hahn*

The Examination Board met on September 16, 1973, at

the Fall Meeting in Chicago and at the Mexico City Meeting on April 28, 1974.

A total of 79 chemists in 56 laboratories were certified as Official Referee Chemists for the year 1973-74. Four new laboratories were added, and two previously certified laboratories were deleted, one because the owner retired and the other because of the death of the chemist. This year we certified two chemists outside the U.S., one in Canada and one in Japan.

The Smalley reports and the qualifications of the various chemists and laboratories were discussed at our meeting in April. At the present we have several new chemists that are working on certification. Some of these are from laboratories which have not been enrolled in our referee program. Therefore, we will probably have a few more chemists certified for the coming year than we have had in the past. However, two who have been certified for many years have died, Mr. McClean, Sr., and Mr. Bacon, Sr.

The chairman of the Examination Board maintains active communication with the trade associations and the members of the board are kept informed of all correspondence.

Finance Committee

J.G. Endres

The 1973-1974 budget was prepared, submitted, and accepted by the Governing Board. The Finance Committee continues to monitor and review the cash flow and other financial statements of the Society. Preliminary plans for a continuing program of long range financial planning are in the hands of our executive director for his comments and review.

International Relations Committee

Eugene Marshack

The year 1973 continued to show further expansion in the activities of the International Relations Committee. The "Four Corners" section of *JAOCs*, which appeared four times during the year, carried a total of 21 articles from 16 countries. We now have 35 corresponding secretaries, covering 36 countries.

We continue to report on the activities of the European Club for Lipid Research, and, during 1973, three articles were published detailing the work done by the Institut des Corps Gras (France), Experimental Station for the Oil and Fat Industry (Italy), and the Central Institute for Nutrition and Food Research (The Netherlands). Those articles contained a description of the background, aims, scope, and field of research and activities of each of those research centers, types of meetings they organize, types of training they provide, and the ways in which they cooperate with other organizations in the fats and oils industry. Since June 1972 through December 1973, there were seven articles published in connection with the activities of this Club.

Quite independently of the reports on those institutions, we also published a detailed account on a meeting of the members of the European Club of Centers for Lipid Research which took place in Seville, Spain, in April 1973 and listed the reports presented at that meeting by the various participants.

The September 1973 issue of *JAOCs* also included an article on the work performed during the first 4 years of existence of the Scandinavian Lipidforum, its organization, type of membership, activities, and publications (some of which will be available in English).

The International Relations Committee is cooperating closely with the Advertising Committee and the Journal Abstract Committee, by putting at their disposal all our resources and foreign contacts.

International meetings, such as the meeting in Mexico

City this Spring and the ISF Congress in Milan, Italy, this fall, are bound to provide opportunities for further rapport between AOCS and foreign colleagues in our industry.

Meetings Planning Committee

W.E. Link

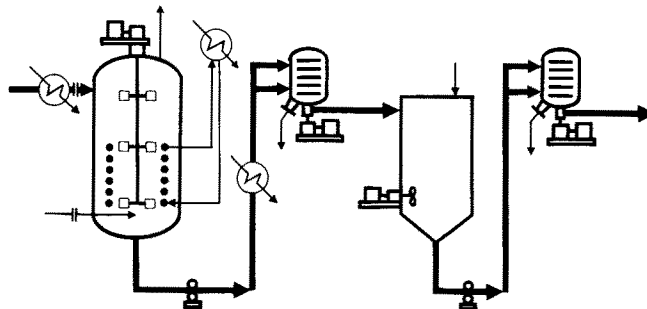
The Meetings Planning Committee earlier had considered meeting times and sites for 1974 and 1975 and had made firm commitments for hotel space in Philadelphia (September 28–October 2, 1974), Dallas (April 27–May 1, 1975), and Cincinnati (September 28–October 2, 1975). Tentative plans had been made for meetings in New Orleans in Spring, 1976 and Chicago in Fall, 1976, with the final decision to have been made concerning a choice of Honolulu for 1977 after the Mexico City meeting, which was the first meeting outside of the continental U.S., Canada excepted.

Two factors will influence the choice of meeting sites after 1977, and one of these will have a pronounced effect on the 1976 schedule. A new procedure, designed to make the AOCS more competitive, for standardization of AOCS site selection, went into effect in 1973. The basic features of the plan were: (A) The committee, 5 years prior to the meeting, would propose 3 potential sites for both spring and fall meetings, which would be evaluated objectively by the executive director; (B) The committee, 4 years prior to the meeting, will make the final selections; (C) The general chairman will be appointed 3½ years prior to each meeting. A year later, the technical program chairman should be selected; and (D) A tentative budget for each meeting should be submitted 2 years prior to the meeting with a final budget a year later.

With this new procedure, meetings from 1978 on will be affected. The committee has begun its evaluation of pro-



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spective sites, observing the timetable.

A second factor has intervened; however, the ad hoc committee which has been studying the frequency of national meetings has recommended that the Society meet once a year, and the recommendation is going to the membership for consideration. Approval would mean that the new regime would begin in 1977, because commitments for 1976 are firm. The Meetings Planning Committee is ready to carry out this directive and is planning for this contingency.

Public Relations Committee

F.B. White

The primary purpose of the AOCS Public Relations Committee is to promote the dissemination of news about the Society, its members, and speakers to enhance the public image of the Society.

It is important to emphasize that the committee's function is to promote dissemination of news, not actually to disseminate it. Ca. 2 years ago, the committee initiated a new program which is slowly gathering steam. We decided it would enhance the public image of the AOCS, if speakers at the national meetings were to receive publicity in their local news media. To accomplish this, we approached individual speakers through the local committees charged with the responsibility of running the national meetings. Each speaker was provided with a news release form, prepared by the committee, on which he was asked to provide information concerning his presentation.

Ca. 1/3 of the speakers have responded in the past by returning completed forms, and, of these, ca. 30% indicated they received publicity in local news media and were satisfied with what they saw in print. This is an encouraging beginning.

Our speakers have been chemists and engineers, usually not accustomed to preparing news releases. For this reason, the committee has prepared examples of what might be considered good and bad releases.

75 attend 1974 summer lipids conference

Approximately 75 people attended the 1974 AOCS Summer Conference on the Analysis of Lipids and Lipoproteins in mid-June at the Sheraton Park Hotel, Washington, D.C. E.G. Perkins, professor of food science, University of Illinois at Champaign-Urbana, was conference chairman.

Approximately 30 papers, covering a wide range of topics, were presented by 23 speakers at the 3 day meeting.

Conference participants evaluated the conference favorably. A survey of the evaluation reports indicated that the expertise of the speakers, the quality of the presentations, the scope of the subject matter, and the general informality of the conference rated highly with the registrants.

This is the second conference on lipids and lipoproteins that AOCS has sponsored. The 1974 conference was an updating and expansion of the 1973 meeting. Papers from the 1973 conference are being prepared as a monograph edited by Perkins, who was chairman of both conferences. The monograph will be published this fall. ■

In this context good and bad merely refer to the likelihood of the news release attracting the interest of editors unfamiliar with lipid chemistry and engineering. These examples will be made available to future speakers for guidance in preparing releases.

The Public Relations Committee has decided to expand its program and attempt to obtain publicity for members of the Society who are active in running national meetings. This includes the chairman and cochairman of the meeting, as well as all committee chairmen. A similar program will be followed as with speakers.

Admittedly, these public relations steps are small ones, but they do satisfy the primary purpose of the committee and premise that no individual will be saddled with an unreasonable amount of work associated with public relations.

Scopes Committee

J.G. Endres

The Scopes Manual was revised and reissued. Revised scopes were approved by the Governing Board for National Programs Planning Committee designed to strengthen the long range program planning function of this committee. International Relations scope was expanded to recognize the importance of the "Four Corners" column in *JAOCs*. New wording was developed for the scope of the Public Relations Committee.

Smalley Committee

W.T. Coleman

The Smalley Committee operated during the 1973-74 season with the personnel, policies, and programs as organized by the late Dick Doughtie, with 9 subcommittees furnishing 14 series of samples. A new subcommittee, with John D. McKinney, chairman, was organized to provide samples of oilseed meal for aflatoxin assay. Three of the present chairmen have resigned, because of the pressures of their present work and will be replaced as soon as possible: William H. Koester, Procter & Gamble Co., Vegetable Oils Subcommittee; Theodore K. Mag, Canada Packers Ltd.; Tallow and Grease Subcommittee; and James A. Laubscher, Woodson-Tenent Laboratories, Gas Chromatography Subcommittee. The Smalley Committee is grateful for the help it has received from each of these individuals.

The past season has been disappointing from two frustrating aspects, the lack of service from the post office and the lack of service from the computer agencies. Many reports were delayed, and more than a few are missing. The compilation of the gas chromatography, the soybean oil, and cottonseed oil reports were delayed by computer trouble, to such an extent that the analysts did not receive valid reports until after the series had been completed and were not able to make corrections as they went along. The Examination Board has been requested to take this into consideration.

Certificates were mailed to the analysts as soon as they could be prepared. Too late for investigation, other than to confirm by hand calculation, a computer error has been found in the oil in oilseed meal, which will change the certificate of Edwin R. Jackson, Mississippi State Chemical Laboratory, from Honorable Mention to First Place.

The local computer service, which processes most of the reported data, has been reluctant to quote for the 1974-75 work because of the difficulties in obtaining paper and personnel. The present idea, not a quotation, is that costs will be inflated ca. 10% over those of last season.

Society Improvement Committee

Robert T. O'Connor (Deceased)

The Society Improvement Committee is the long range

planning committee of the Society. It is a relatively new committee, having been established during the Society year 1968-69. Its objectives can be described: "To anticipate the need for specific action which might benefit the Society and to institute such action; or to foresee any activity which might be detrimental to the welfare of the Society and take steps to forestall such activity."

The specific plans of the Committee today are devoted to efforts to comply with a charge from the Executive Committee: "The Chairman of the Society Improvement Committee appoint an ad hoc committee of himself and three others to work with the executive director to come up with an action program on the AOCS relationship to other groups to be recommended to the Executive Committee."

This charge originates with the continued assertions of several of our members and officers that there are in our industry many groups of individuals who would benefit from membership in our Society and who are, therefore, potential members. The Society Improvement Committee is attempting to respond to this charge by finding answers to four questions: who, how, what, and which. Who, specifically are these members or groups of members who would benefit from membership in AOCS? How, assuming we have ascertained who they are, by what methods do we contact them? What, on the basis of the reasoning that we must convince potential members of the advantages of membership, what specific advantages are to be emphasized to each specific group? Which, if one of our means is to be personal contact, which (specifically) of our members, either as individuals or as part of our committees, can most efficiently complete these contacts with each specific potential member or group of members?

Technical Safety and Engineering Committee *C.L. Kingsbaker*

The Technical Safety and Engineering Committee met in Mexico City in April 1974 to review safety problems that have arisen during the past year. The chairman made a report of the changes made in the *National Fire Protection Association Booklet No. 36* that resulted from a meeting held in Chicago in October 1973. The new *NFPA Booklet No. 36* was scheduled to be published in summer, 1974.

This committee will sponsor a symposium at the fall meeting in Philadelphia titled "Processing" chaired by Karl Klein of DeLaval. It will include five papers covering refining, deodorizing, hydrogenation, fractionation, and pollution control.

A symposium covering energy conservation is contemplated for the 1975 Spring Meeting in Dallas.

Uniform Methods Committee *Eugene M. Sallee*

Dan L. Henry has served on the Uniform Methods Committee since 1952 and as chairman since 1960. He is resigning his assignment at this time and asked me to report for him. I have accepted the chairmanship effective May 1, 1974. The committee is active and functioning regularly in accord with the Articles of Incorporation and By-Laws of the Society. Replacements are needed for R.T. O'Connor and D.L. Henry. Appointments should be made soon.

PUBLICATIONS COMMITTEES

Advertising Committee *Karl T. Zilch*

The committee has agreed to investigate the need for a buyers' guide that would be useful to both the purchasing agent and the bench chemist or engineer. If the results of

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this investigation are favorable, the committee will then recommend to the chairman of the Publications Committee that the subject be investigated further. Such a buyers' guide should generate additional revenue for the Society through advertising.

Because of the additional advertising revenue realized from publishing the papers presented at the World Soy Protein Conference in Munich, Germany, the Committee will recommend to the Publications Committee that we investigate the possibility of publishing, as a package, the papers that will be presented at the 12th ISF Meeting in Milan, Italy, this September.

The committee also supports the idea of publishing, as a whole, symposium papers from outstanding symposiums taking place at national meetings. This also could increase advertising revenues.

The Society's advertising sales manager has suggested that the Society review once again the possibility of publishing a news magazine to generate advertising revenue. The committee supports this idea.

The committee continues to have interest in compiling useful information as to the type of advertising our members would like to see in the *Journal*.

The Exhibit Subcommittee continues their efforts toward the improvement of exhibits at national meetings. Hopefully, the 48th Annual Fall Meeting will show the fruits of their labor.

Lipids Editorial Advisory Board *W.O. Lundberg*

Although we have attained our goal of expanding the Board of associate editors, we sometimes still overload our associate editors because of the increasing number of manuscripts received and because of the resignations of Frederick Hatch, Donald Hanahan, and William E.M. Lands. New

members of our editorial staff are: P. Alaupovic, Oklahoma Medical Research Foundation, Oklahoma City, Okla.; Patricia V. Johnston, University of Illinois, Urbana, Ill.; P.P. Nair, Sinai Hospital of Baltimore, Inc., Baltimore, Md.; John E. Pike, The Upjohn Company, Kalamazoo, Mich.; Michael A. Wells, University of Arizona, Tucson, Ariz.; and Lloyd A. Witting, Texas Woman's University, Denton, Tex.

Last year, for the first time, our operations were conducted in the black financially, and we hope that this situation will continue. The production office has been performing excellently and copies of *Lipids* are being issued on schedule in spite of a considerable increase in the number of manuscripts received.

It is clear from the number of manuscripts received and the sources from which they come that *Lipids* has become more and more accepted as a quality scientific journal.

I wish to express my personal thanks to the associate editors, our short communications editor, the index editors, and members of the editorial advisory board for their support in improving the acceptance and quality of *Lipids*. Also, I wish to thank the production department in Champaign for its dedicated services.

Publications Committee

A.R. Baldwin

The Publications Committee is enthusiastic about pursuing projects similar to the one which resulted in the publication of the proceedings of the World Soy Protein Conference as the January 1974 issue of *JAACS*. Such projects are essentially the offering of AOCS services to other groups at cost in an effort to expand the readership of *JAACS* and to reach those groups with interest common to AOCS but which now lie at the fringe of AOCS activity and influence. If such projects can be expanded in the future, the committee may recommend the hiring of a technical staff editor whose duties would include collection and editing of proceedings papers, the writing of staff reports, and such.

Advertising in both *JAACS* and *Lipids* is not as voluminous as projected or desired. This is a problem common to many technical societies. The committee, through the Advertising Committee, continues to consider ways to alleviate the problem. One of the ideas under consideration is a buyers' guide, possible as a special department in *JAACS*.

The Publications Committee notes with regret the retirement and resignation of W.O. Lundberg as editor of *Lipids*.

Maize and Wheat Improvement Center offers courses

The International Maize and Wheat Improvement Center periodically initiates 8 month courses for a limited number of agricultural technicians. Training involves maize breeding, production, plant protection, and maize protein quality evaluation.

The purpose of the program is to contribute to the orientation and specialization of agricultural technicians dedicated to maize research or extension, so that, upon returning to their respective countries, they can contribute new technology to the work of increasing maize production.

The headquarters for this training course is El Batan, near Texcoco, ca. 27 miles northeast of Mexico City.

Several scholarships are available.

For more information, contact: International Maize and Wheat Improvement Center, Apartado Postal 6-641, Mexico 6, D.F., Mexico. ■

R.T. Holman was recommended to the Governing Board to succeed Lundberg and the Board has unanimously accepted that recommendation.

TECHNICAL COMMITTEES

Commercial Fats and Oils Analysis Committee

J.W. McEwan

The committee met in conjunction with the Spring and Fall (1973) Meetings of AOCS. There were 11 persons present at New Orleans and 6 persons present at Chicago.

Active subcommittees include Bleaching, Neutral Oil Loss, Polyethylene in Fats, and the newly formed Titrimetric Soap in Refined Oils. Tom Alleman recently resigned as chairman of Polyethylene in Fats and has been replaced by Ray Jones. Work of this subcommittee is being followed closely by the Fatty Acids Producers Council, National Renderers Association, Soap and Detergent Association, and several groups overseas.

Revisions, editorial changes, and reapprovals were made for "Official Methods Section C" based upon judgments made by the members-at-large of the parent committee. The newly issued *Methods* reflect these judgments.

A request was received for chemical carbonyl contents method for autoxidized oils, but, as yet, this project has not been developed. There is currently some work on gas liquid chromatography in Instrumental Methods Subcommittee, I believe.

We are still waiting for a progress report on the method for gossypol (Ca. 13-56) to determine whether new standards are desired, requiring method change. This should come through Marion Whitten who is responsible for that subcommittee.

A brief report on the Commercial Fats and Oils Analysis Committee was presented at a technical session in Mexico City.

Fat and Oil Byproduct Analysis Committee

K.M. Brobst

Glycerine Analysis Subcommittee

R.M. Kelley

This subcommittee has had no committee activity during the past year.

Lecithin Analysis Subcommittee

INACTIVE.

Vegetable Oil Distillate Analysis Subcommittee

James Nelson

Following a collaborative study of a gas chromatographic method [*JAACS* 47:259 (1970)] for tocopherols and sterols, a method was written titled "Determination of Tocopherols and Sterols in Soya Sludges and Residues by Gas Chromatography." This method was approved by all subcommittee members and then submitted to the AOCS Uniform Methods Committee for their approval and inclusion in *AOCS Methods*.

A second collaborative study is now underway to define further deodorizer distillate quality and includes three assays: ash, unsaponifiable matter, and saponification value.

Fats and Oils Committee

Norris D. Embree

The Committee is continuing its support of the program of the Oils and Fats Section of IUPAC for the development of analytical methods needed for food standards and for

international commerce. N.D. Embree attended the IUPAC Conferences in Munich, August 1973, and was reelected a titular member of the Oils and Fats Section. The late R.T. O'Connor was appointed a member of the IUPAC Commission on Soaps and Biochemicals, and F.A. Kummerow was appointed a member of the IUPAC Commission on Oils and Fats.

Six new analytical methods for fats and oils were published by IUPAC in 1973, and drafts of eight new methods are now being reviewed for editorial approvals. In 1974 there will be collaborative tests on methods for melting point range, for oxidized fatty acids, for short chain fatty acids, for tocopherols and esters, for *trans*-isomers of unsaturated fatty acids, and for pesticides in fats.

The membership of the Committee in 1973-74 consisted of R.T. O'Connor (until his death in December 1973), U.S. Department of Agriculture; F.A. Kummerow, University of Illinois; and N.D. Embree, chairman.

Industrial Oils and Derivatives Analysis Committee

R.W. Walker

Dibasic Acid Subcommittee

E.N. Gerhardt

This committee recently completed a collaborative study of determining dibasic acid composition of commercial dibasic acid products by gas chromatography analysis. The study included analysis of both calibration mixtures and typical products representing commercial grades of sebacic and azelaic acids and dimethyl glutarate. Statistical evaluation of the analytical data submitted by the contributing laboratories to determine precision of the method is in progress.

Future activities of the committee will be concerned with developing an analytical method for determining the composition of polymerized fatty acids sold commercially as dimer acids. Members of the committee and others familiar with analytical methods of this type were asked to submit them for preliminary screening by the committee.

Hydrogenated Oils Subcommittee

A.E. Walkling

Last year the committee engaged in a precollaborative study (among five laboratories) of a proposed procedure for the determination of the activity and active life of a catalyst. The results of the study were disappointing that what might be considered good agreement was only obtained between two of the five participating laboratories. It was concluded that the differences in the mass transfer factor of the different reactors, even though the reaction conditions were seemingly the same, were confounding the results.

The method was subsequently rewritten to standardize against a given set of responses for a standard catalyst by variation of the agitation rate. This modification is currently under limited test by eight laboratories. Pending a reasonable success, a formal collaborative to establish the precision of the method will be undertaken.

Fatty Nitrogen Subcommittee

H.W. Jackson

A revamped gas liquid chromatographic method for determination of percent amide in commercial fatty amides is being sent to members of the committee so they can become familiar with the method before participating in a round-robin later this year. The revamped method makes use of an internal standard as was recommended by the committee after a round-robin check of

the original gas liquid chromatographic method.

The committee also has solicited methods from its members for the determination of the percent active quaternary in fatty quaternary ammonium compounds. Four methods have been distributed to the committee for their recommendations as to which methods should be checked in round-robin.

Commercial Fatty Acids Subcommittee

R.H. Dreyer

Early last year the committee completed a collaborative study to develop precision data on current AOCS methods Tm la-64 (% ash) and Tk la-64 (% unsaponifiable) as they apply to fatty acids. Seven laboratories participated, and two samples of acids were checked. The statistical data has not yet been completed for this study.

During last part of last year another collaborative study was made to develop precision data on two AOCS moisture methods: Tb la-64 (hot plate method) and Tb 2-64 (Karl Fischer method). Before starting study, the committee voted that the Karl Fischer method be modified, and that study would be done using one reagent system rather than two reagent systems as now written. Eight laboratories participated, and two samples of fatty acids were checked.

The committee is again looking for ways to improve the AOCS Color After Heating Test and also the committee will be polled to find out what other AOCS methods applicable to fatty acids should be checked for precision data.

Atomic Absorption Subcommittee

K.M. Brobst

This subcommittee last met at the Instrumental

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Techniques Committee meeting during the 47th Annual Fall Meeting of the Society at the Pick-Congress Hotel in Chicago.

At that time, the late R.T. O'Connor reported that he had obtained the required 60% return on a ballot for acceptance of the proposed method for the direct determination of trace metals by atomic absorption, this being the method described in his "Report of the AOCS Instrumental Techniques Committee, 1972-73," *JAACS* 51:231A (1974).

The Atomic Absorption Subcommittee in considering extensions of the method for the determination of small traces of metals commonly found in refined vegetable oils tried a sample enrichment procedure employing extraction with EDTA-hydrochloric acid at reflux temperatures. However, collaborative tests showed that this procedure was not entirely satisfactory, and the collaborating members suggested an alternate approach through the use of a graphite furnace or carbon rod technique. Plans are now being made for a preliminary collaborative study of such techniques as four members of the subcommittee have equipment, and these plus three other volunteer laboratories will give a minimum of seven collaborators for this study. Further plans are to send out samples well in advance of the Fall 1974 AOCS Meeting, and it is anticipated that some results will be available for review at the Fall 1974 Meeting of the Instrumental Techniques Committee.

Protein Nutrition Committee

Carl M. Cater

The Protein Nutrition Committee was organized in 1968 to develop and improve chemical methods of analysis em-

• Referee chemists . . .

(Continued from page 541A)

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Certificates Reading:

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MARION M. WOODEN, Houston Laboratories, P.O. Box 132, 311 Chenevert St., Houston, Tex. 77001

Certificates Reading:

"Cottonseed, Soybeans, Oil Cake and Meal, Protein Concentrates, Cottonseed Oil, Soybean Oil and Other Fatty Oils"

LYNN A. HAWKINS, Tenent and Associates Laboratory, P.O. Box 161050, Memphis, Tenn. 38116

CECIL B. SPEER, Tenent and Associates Laboratory, P.O. Box 161050, Memphis, Tenn. 38116

EDGAR H. TENENT, JR., Tenent and Associates Laboratory, P.O. Box 161050, Memphis, Tenn. 38116 ■

ployed to measure nutritional values of oilseeds and oilseed products. It had become increasingly apparent that, as oilseed proteins assumed a larger role in the human diet, better methods of evaluating their nutritional and functional properties were needed. One of the goals of this committee was to establish collaborative studies with other scientific organizations having interests in these areas, specifically with AACC, AOAC, and ASTM.

Four subcommittees have been organized to cover areas of specific interest. These are Trypsin Inhibitor, Amino Acids, Available Lysine, and Functional Properties of Proteins which was originally called Fat and Water Absorption. Collaborative studies have been organized and completed in some areas and are still in progress in others.

The continuing goal of the Protein Nutrition Committee is the development of valid analytical methods for the measurement of nutritional and functional properties of oilseed proteins which adequately describe their use potential in human food systems.

Representatives to the National Research Council

Norris D. Embree

The National Research Council (NRC) is now in the process of being reorganized. The NRC is the organization set up by the National Academy of Science (NAS) as its operating agency "to serve the national interest, to foster the sound development of science and engineering, and to promote their effective application for the benefit of society." The NRC grew quite large during World War II and has not substantially changed its structure or methods of operating since that time. The NAS believes that changes now can be made to improve the effectiveness of NRC.

The details of the new organization have not yet been disclosed. I have been privately assured that there will be a continuation of the Committee on Fats and Oils, although it might report to a newly created Assembly of the Physical and Mathematical Sciences instead of the present Division of Chemistry and Chemical Technology.

The reorganization has led to the cancellation of the usual March meeting of the NRC.

Seed and Meal Analysis Committee

Marion E. Whitten

The Seed and Meal Analysis Committee met in New Orleans in April 1973 and in Chicago in September.

The Seed and Meal Analysis Committee's work for the year 1973-74 continued with impetus on mycotoxins, on sunflower seed, and on sampling, especially for mycotoxin analysis.

The Mycotoxin Subcommittee recommended replacement of AOCS Method 6-68 for aflatoxins in peanut products (AOAC Method II, 26.021) and adoption of AOAC Method III, 26.026. The new method is designated AOCS 6-68 (Revised 1973). Members of the Mycotoxin Subcommittee cooperated with other societies in several collaborative studies. These included: (A) AOAC-AACC Collaborative study on two screening methods for detecting aflatoxin contamination in corn (these were adopted as official methods 26.C01 and 26.C05); (B) AOAC study of Methods I and III for low levels of aflatoxin in peanut butter; (C) AOAC-IUPAC collaborative study on aflatoxin M₁ in milk products (this was adopted as an official first action AOAC Method 26.010 - 26.013, in October 1973); (D) the International Check Sample Program; and (E) NCPA-USDA-AOCS aflatoxin analysis collaborative study on determination of aflatoxins in cottonseed and peanut meals.

Members of the Mycotoxin Subcommittee who are representatives of AOCS on the Joint AOAC-AOCS-AACC Mycotoxin Committee participated in both semiannual meetings of the joint committee, reported on AOCS activi-

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