

**PROCEEDINGS OF**  
**THE FORTY-FIFTH ANNUAL MEETING**  
**OF THE**  
**AMERICAN SOCIETY OF BAKERY ENGINEERS**  
**1969**



**MARCH 3-5, 1969**  
**PICK-CONGRESS HOTEL**  
**CHICAGO, ILLINOIS**



# **AMERICAN SOCIETY OF BAKERY ENGINEERS**

**Proceedings of the Forty-Fifth Annual Meeting  
March 3-5, 1969  
Pick-Congress Hotel, Chicago, Illinois**

There is some need for bringing to the member's attention what is available in printed form. For your convenience we have listed as a section of this book subjects discussed during the Annual Meetings from 1955 through 1968. Subjects are listed under general headings for easy reference. We hope this listing will emphasize the fact that many of our members may have information on these subjects of which they are not aware. Review the subject matter in your bound Proceedings from time to time. It pays to be familiar with what is available.

*During the year the business papers in the baking and allied fields generously contributed space to describe the activities of the Society. Many of them not only gave careful coverage to our Annual Meeting, but illustrated it fully with photographs taken during the Meeting, and a number of these publications have graciously provided us with their plates to help us make our Proceedings more attractive. We wish to express our appreciation to all for their splendid cooperation.*

**2 North Riverside Plaza, Chicago, Ill., U.S.A., 60606**

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# AMERICAN SOCIETY OF BAKERY ENGINEERS

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**2 North Riverside Plaza, Chicago, Ill., U.S.A., 60606**

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# American Society of Bakery Engineers

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BERNARD BERGHOLZ, JR., SECRETARY

Room 1921, Riverside Plaza Bldg.

2 North Riverside Plaza

CHICAGO, ILL. 60606

## 45th ANNUAL MEETING

PICK-CONGRESS HOTEL

March 3-5, 1969 Chicago, Illinois

### Introduction to the 1969 Proceedings

The Society here provides you with a verbatim report and a permanent record of the 45th Annual Meeting. It is hard to beat the Society's published PROCEEDINGS as a source of information and a means of really keeping abreast of industry production developments. Members failing to capitalize on the useful information presented here sell themselves short.

The way to safeguard against this is to read this book now and gather fresh ideas that are so essential to the improvement of our professional skills and knowledge.

Copies of all prepared talks, reproductions of all slides used by the speakers and complete transcriptions of all discussions, copies of all materials distributed, as well as photographs of many of those present (through the courtesy of the bakery business papers) are included. In addition there is a table of contents, a subject index, and a complete registration list.

The final section of the PROCEEDINGS contains a list of papers presented in the Annual Meeting Programs of 1955-1968, inclusive. The name of the person who gave the paper and the year are listed under alphabetical headings, for your easy reference.

Every participant has been given the opportunity to edit the remarks taken by the reporter at the Meeting. Thus the Society feels that the record is correct, insofar as it represents what

the speakers intended to say. The statements, of course, are the opinions of those who made them. This is what makes our Annual Meeting really great — the fine talent we have always had of program participants who come up with new and better ideas. We are a large group of diverse interests, which necessitates a subject coverage in a broad field. Thus some of us are forced to assume the role of a novice. It is good to switch our minds to receive new signals every so often.

As has been the custom for many years, other organizations closely identified with the baking industry held meetings at the hotel during our meeting. These included the Alumni Associations of the American Institute of Baking and the Oklahoma University Baking School and the American Association of Cereal Chemists. The Canadian members also held their annual luncheon.

Program functions were well attended. These included the President's "Get Acquainted" Reception on Monday evening, the Ladies' Tea on Sunday afternoon, and the Bakery Foods Display on Tuesday afternoon.

The Bakers Courtesy Club of Chicago again contributed to the smooth operation of the Meeting by its members' contributing their time to serve as ushers, to serve at the Information Desk and to man the floor microphones during the sessions. We gratefully acknowledge their help.

Attendance at the Meeting totalled 1,555. This does not include registrants' wives, who received complimentary badges.

The Executive and Advisory Committees of the Society met jointly on Sunday morning, March 2, 1969, and the Executive Committee convened again on the same day and met again on Wednesday afternoon, March 5, to review current business and formulate Society policies.

At the time of registration, each registrant was provided with an official program, listing the time and place of all events, and including pictures of the officers and Program Committee, a reproduction of the Society Creed, and a listing of the Bakery Foods Display and other special events. Since the program can serve as an index to the PROCEEDINGS by sessions and speakers, it is reproduced in this book.



## INTRODUCTION TO YOUR 45th ANNUAL MEETING

Greetings and welcome fellow Engineers to the 45th meeting of the ASBE. This year the Program Committee has scheduled for you a concentrate of bakery production information designed to satisfy the sharpest appetites. Basically, we have attempted to conserve your time and yet give you the full treatment. Thus we are conducting a three-day meeting but supplying as complete a subject coverage as ever by shortening our timing for some sessions and increasing the number of presentations for a couple of others.

Such modifications are merely our ways and means of keeping up to date with successful practices and trends currently apparent at meetings similar to ours. Our operating philosophy reflects the fact that we not only wish to keep our 45 year old vehicle solid and well polished but that we also want to equip it in such a manner as to allow it to use present day minimum speed throughways.

We would at this point encourage comments and suggestions on format, subject coverage or any other phase of the program. Hopefully, many more than the usual low percentage of the membership will give a valuable assist in program planning for the future by taking advantage of this offer. After all this is your Meeting. Any program committee member will be receptive to your constructive recommendations and suggestions. Let's have them.

We know this year's program is a well rounded one. Relax, enjoy yourselves, have a good week.

*G. N. Bollenback*

G. N. BOLLENBACK  
PROGRAM CHAIRMAN

*John L. Marini*

JOHN L. MARINI  
SECOND ASSISTANT  
PROGRAM CHAIRMAN

GERALD REED  
FIRST ASSISTANT  
PROGRAM CHAIRMAN

**AMERICAN SOCIETY OF BAKERY ENGINEERS**  
ROOM 1921, RIVERSIDE PLAZA BLDG.  
2 NORTH RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606



## *Creed of the Bakery Engineer*

AS A MEMBER OF THE AMERICAN SOCIETY OF BAKERY ENGINEERS  
IT IS MY DESIRE AND PRIVILEGE

*To* live the ideals of Fellowship, Inspiration, and Education which prompted the forming of this organization.

*To* further the interest and progress of the baking industry in whatever way a greater service may thereby be rendered to society.

*To* be broad and free with the exchange of ideas and information among fellow Engineers.

*To* promote and practice cleanliness in its highest principles; not alone cleanliness of person, shop and equipment, but also of mind and habit.

*To* be ever alert to the advancement of the science of baking.

*To* foster study and knowledge among those engaged with me in the manufacture of baked goods, realizing always that in the enhancement of our profession in the public esteem each individual contributes an important part.

*To* assist a fellow Engineer at any time in his problems, upholding in word and deed the substance of the Engineers's Creed the Golden Rule "All Things Whatsoever Ye Would That Men Should Do Unto You, Do Ye Even Unto Them"

*To* follow this simple Creed in heart and mind, being ever aware of the responsibility that falls upon me as a producer of one of, if not the most important of all foods, and to do honor to the ancient and honorable profession of Baking.

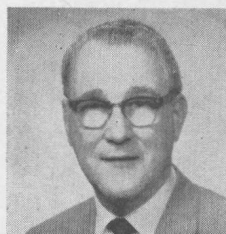
## OFFICERS 1968-1969



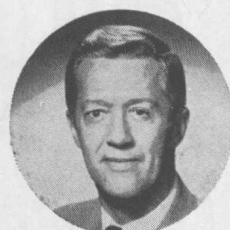
**WILLIAM H. ZIEMKE**  
First Vice President



**PHILIP W. ORTH, JR.**  
Second Vice President



**WILLIAM C. KOLLMAN**  
President



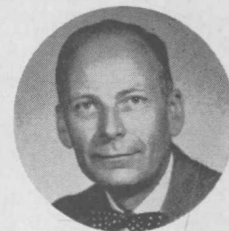
**CARL C. HAUSWALD, JR.**  
Third Vice President



**BERNARD BERGHOLZ, JR.**  
Secretary-Treasurer



**G. N. BOLLENBACK**  
Program Chairman



**GERALD REED**  
First Assistant Chairman



**JOHN L. MARINI**  
Second Assistant Chairman



**VICTOR E. MARX**  
Secretary Emeritus

### EXECUTIVE COMMITTEE 1968 - 1969

William C. Kollman, Wilton, Conn.  
William H. Ziemke, San Jose, Calif.  
Philip W. Orth, Jr., Milwaukee, Wis.  
Carl C. Hauswald, Jr., Baltimore, Md.  
Bernard Bergholz, Jr., Chicago, Ill.  
Victor E. Marx, Chicago, Ill.  
Lawrence E. Pile, Cleveland, Ohio  
Robert C. Brink, Cincinnati, Ohio  
George N. Bollenback, Yonkers, N.Y.  
Leonard B. Weislow, Lake Zurich, Ill.  
Albert S. Schmidt, Jr., Harrisburg, Pa.  
Louis J. Richter, San Antonio, Texas  
Thomas A. Faulhaber, Boston, Mass.  
Richard M. Beaverson, Dallas, Texas  
Eugene D. Swenson, Cincinnati, Ohio  
Marcellus G. Uhrich, Stamford, Conn.  
Stanley G. Ellis, New York, N.Y.  
James B. Garrett, Saginaw, Mich.

### PROGRAM COMMITTEE

Dr. G. N. Bollenback, Yonkers, N.Y.  
Program Chairman  
Dr. Gerald Reed, Milwaukee, Wis.  
First Assistant Program Chairman  
John L. Marini, New York, N.Y.  
Second Assistant Program Chairman

### PROPERTY COMMITTEE

Lyle C. Woods, Chicago, Ill.  
Property Manager  
Robert O. Benson, Bruce W. Bing,  
Francis J. Dougherty and Lewis W. Rapp  
Assistant Property Managers

## PROGRAM CHAIRMEN 1968-1969

### SESSION CHAIRMEN

Monday Afternoon—  
James M. Diehl, Chicago, Ill.  
Tuesday Morning—  
William D. Richard, Chicago, Ill.  
Tuesday Afternoon—  
Denny Shogren, Chicago, Ill.  
Wednesday Morning—  
Edward A. Haut, Olean, N.Y.  
Wednesday Afternoon—  
Donald O'Brien, Norwalk, Conn.

### SPECIAL EVENTS CHAIRMEN

President's Get-Acquainted Reception—  
Paul H. Prentiss, Skokie, Ill.  
Bakery Foods Display—  
Joseph J. Viskocil, Chairman, Franklin Park, Ill.  
Wm. J. Grewe, Assistant Chairman, Chicago, Ill.  
Music—Walter N. Clissold, Chicago, Ill.

### 1968—COMMITTEE CHAIRMEN—1969

Financial—John C. MacAlpine III, Swarthmore, Pa.  
Inter-relations—Lawrence Tomskey, San Jose, Calif.  
Publications—Rowland J. Clark, Evanston, Ill.  
Information Service—M. J. Swortfiguer, Teaneck, N. J.  
Manual—H. Alvin Meyer, Jackson, Miss.  
Sanitation—Philip E. Winters, Cincinnati, Ohio  
Index—Paul Holton, Chicago, Ill.  
Nominating—Lawrence E. Pile, Cleveland, Ohio  
Membership—Lloyd L. Fisher, St. Louis, Mo.  
Steering and Planning—Clayton C. Daley, Rye, N. Y.  
Insurance—E. H. Hartman, Sr., Atlanta, Ga.  
Hotel Housing—Charles J. Regan, Jr., Evergreen Pk., Ill.  
Public Relations—To be appointed  
Research and Study—Paul M. Koren, Cincinnati, Ohio  
Safety—To be appointed  
Standardization of Terms—E. J. Pyler, Chicago, Ill.  
Z-50—William C. Kollman, Wilton, Conn.



## PAST PRESIDENTS

1924—Richard Wahl, Silver Springs, Md.  
 1925—C. J. Patterson (deceased)  
 1926 & 1927—E. B. Price, Farmington, Conn.  
 1928—George W. Tassie (deceased)  
 1929—Gordon H. Darnell, Van Nuys, Calif.  
 1930—Louis E. Caster (deceased)  
 1931—Ross E. Anderson, Little Rock, Ark.  
 1932—Robert L. Gerdes (deceased)  
 1933—Carl S. Pickering, San Diego, Calif.  
 1934—Edward M. Joy  
 1935—F. B. Evers, Nashville, Tenn.  
 1936—W. J. Ocken (deceased)  
 1937—John Roberts, Beaumont, Tex.  
 1938—Roger Brandenburg, Grand Rapids, Mich.  
 1939—William Hauck (deceased)  
 1940—Walter T. Molloy (deceased)  
 1941—Cecil C. Cadwell (deceased)  
 1942—Wm. F. Gossadge, Louisville, Ky.  
 1943—Willard H. Geller, Chicago, Ill.  
 1944 & 1945—Albert J. Faulhaber, Philadelphia, Pa.  
 1946—Guy T. Shiverdecker, Kettering, Ohio  
 1947—Jake M. Albright, Park Ridge, Ill.  
 1948—Otto Richter, San Antonio, Tex.  
 1949—Harold T. Moody, Glendale, Calif.  
 1950—Don F. Copell (deceased)  
 1951—Earl B. Cox, Los Angeles, Calif.  
 1952—Fred Weberpals, Queens Village, N. Y.  
 1953—M. J. Swortfiguer, Teaneck, N. J.  
 1954—Wallace K. Swanson, Atlanta, Ga.  
 1955—Martin Eisenstaedt, Philadelphia, Pa.  
 1956—Arthur G. Hackett, Venice, Fla.  
 1957—Harold M. Freund, Glendale, Calif.  
 1958—Andreas F. Reising, New Orleans, La.  
 1959—H. Alvin Meyer, Jackson, Miss.  
 1960—Clayton C. Daley, Rye, N. Y.  
 1961—Robert Nicolait, Santa Barbara, Calif.  
 1962—Robert G. Dibble, Sun City Center, Fla.  
 1963—John A. Wagner, Philadelphia, Pa.  
 1964—Walter T. Gase, Saginaw, Mich.  
 1965—Irwin O. Rohrbach, Brooklyn, N. Y.  
 1966—George H. Gugler, Sun Valley, Calif.  
 1967—Lawrence E. Pile, Cleveland, Ohio

## PAST PROGRAM COMMITTEE CHAIRMEN

1929—E. B. Nicolait (deceased)  
 1930—G. Cullen Thomas, Minneapolis, Minn.  
 1931—Peter G. Pirrie (deceased)  
 1932—W. E. Doty (deceased)  
 1933—C. A. McDuffee, Grove, Okla.  
 1934—Ross E. Anderson, Little Rock, Ark.  
 1935—Charles P. Oliver (deceased)  
 1936—R. W. Brooks, East Hebron, N. H.  
 1937—W. E. Doty (deceased)  
 1938—Harold Hall, Port Angeles, Wash.  
 1939—O. S. Oting, New Smyrna Beach, Fla.  
 1940—George T. Carlin, Chicago, Ill.  
 1941—G. Richard Ludlow (deceased)  
 1942—F. J. Coughlin, Cincinnati, Ohio  
 1943—Arthur E. Grawert, Minneapolis, Minn.  
 1944—Henry P. Montminy, Arlington, Mass.  
 1945 & 1946—Carl W. Steinhauer, Albion, Mich.  
 1947—J. H. Debs, Lake Zurich, Ill.  
 1948—Tyler R. Stevens, Gillette, N. J.  
 1949—Glenn E. Hargrave, Shawnee Mission, Kans.  
 1950—Charles E. Riley (deceased)  
 1951—Jack S. Devanny, Lincoln, Ill.  
 1952—Len P. Kenney, Milwaukee, Wis.  
 1953—Elmer F. Glabe, Chicago, Ill.  
 1954—Jones E. Mapes, Wyckoff, N. J.  
 1955—T. E. Lauder (deceased)  
 1956—Len Franzen, Chicago, Ill.  
 1957—Ray Thelen, Minneapolis, Minn.  
 1958—Clifton R. Scarborough, Jersey City, N. J.  
 1959—Lewis P. MacAdams, Dallas, Texas  
 1960—Irwin O. Rohrbach, Brooklyn, N. Y.  
 1961—James M. Doty, North Kansas City, Mo.  
 1962—Harry D. Gardner, Albion, Mich.  
 1963—Ralph E. Manewal (deceased)  
 1964—Lloyd L. Fisher, Hazelwood, Mo.  
 1965—Zenas Block, New York, N. Y.  
 1966—William F. Schroeder, Decatur, Ill.  
 1967—Frank R. Schwain (deceased)  
 1968—Philip W. Orth, Jr., Milwaukee, Wis.

## CALENDAR OF EVENTS (In Brief)

	SUNDAY—MARCH 2, 1969	MONDAY—MARCH 3, 1969	TUESDAY—MARCH 4, 1969	WEDNESDAY—MARCH 5, 1969
MORNING	10:00 Executive and Advisory Committee Meeting Lincoln Room	7:30 Registration Francis I Room 8:45 General Meeting Great Hall	8:30 Registration Francis I Room 8:45 General Meeting Great Hall 12:00 Canadian Member Luncheon, Florentine Rm. Oklahoma State University Baking School Alumni Assn. Luncheon, Roosevelt Rm. American Association of Cereal Chemists Luncheon, Lincoln Rm.	8:30 Registration Francis I Room 8:50 General Meeting Great Hall
AFTERNOON	1:00 Registration Francis I Room 2:00 Executive Committee Meeting Lake Shore Room 3:00 Ladies Tea Presidential Suite (Room 400) 4:00 Program Participants & Session Chairmen Roosevelt Room	1:20 General Meeting Great Hall 5:30-7:00 President's Get-Acquainted Reception Gold Room	1:15 General Meeting Great Hall 4:30 Bakery Foods Display Avenue Rooms East & West 7:00 American Institute of Baking Alumni Dinner, Gold Room	1:15 General Meeting Great Hall 4:00 Installation of Officers 4:10 Final Adjournment 4:30 Executive Committee Meeting Columbian Room

PLAZA ROOM—Second Floor—Sunday through Wednesday—Secretary Bergholz Office, also A.S.B.E. Office. Our staff on duty to serve you.

## SUNDAY

March 2, 1969

- 10:00 A.M.—JOINT MEETING OF  
EXECUTIVE COMMITTEE AND  
ADVISORY COMMITTEE
- 1:00 P.M.—JOINT COMMITTEE LUNCHEON
- 1:00 P.M.—REGISTRATION DESK OPENS
- 2:00 P.M.—EXECUTIVE COMMITTEE  
MEETING
- 4:00 P.M.—MEETING OF ALL PROGRAM  
PARTICIPANTS AND  
SESSION CHAIRMEN
- 5:00 P.M.—REGISTRATION DESK CLOSES  
(See hotel bulletin board for exact location of  
above meetings.)

### PLEASE REGISTER TODAY

By completing your registration today you will help to keep the Registration Desk open for Monday arrivals, and avoid delaying our Meeting schedule.

Registration will be in the Francis I Room which is located near the escalators on the second floor. Please cooperate by keeping the escalator landings free of crowds and avoid bunching in front of the Registration Desks, observing printed signs. When in doubt ask one of the "Ask Me" men.

Lady guests may be registered and badges obtained without charge.

### REGISTRATION FEES

Registration Fee—Members .....	\$20.00
Non-Members .....	\$30.00

### PRESIDENT'S GET-ACQUAINTED RECEPTION

The President's Reception early evening on Monday, again commands the spotlight as a wonderful opportunity to get together with your colleagues, meet the Society officers, have a snack and a gay time to the accompaniment of attractive background music. This is a built-in part of your program. Come and enjoy yourselves.

## MONDAY MORNING PROGRAM

March 3, 1969

- 7:30—Registration Desk Opens
- 8:45—Assembly in Meeting Room (Great Hall)  
Greetings by Meeting Chairman  
LAWRENCE E. PILE, Cleveland, Ohio  
Introduction of Music Chairman  
WALTER N. CLISSOLD, Chicago, Ill.  
Song Leaders—WM. E. MAIER, Reading, Pa.  
WM. C. MILES, Oakville, Ont., Can.
- 9:00—Entrance of Officers  
Introduction by LAWRENCE E. PILE
- 9:05—Star Spangled Banner—God Save the Queen
- 9:10—Invocation  
GLENN E. HARGRAVE, Shawnee Mission, Kans.
- 9:15—The President Comments  
WILLIAM C. KOLLMAN, Wilton, Conn.
- 9:20—The Secretary Reports  
BERNARD BERGHOLZ, JR., Chicago, Ill.
- 9:35—Program Review—The Chairman  
G. N. BOLLENBACK, Yonkers, N.Y.

- 9:40—Annual Business Meeting  
Change in Constitution  
Election of Officers  
Presentations
- 10:05—The Secretary Emeritus Comments  
VICTOR E. MARX, Chicago, Ill.
- 10:10—Introductions by Lawrence E. Pile
- 10:15—Opening Address — It's a Cockeyed World  
RIGHT REV. MONSIGNOR BEAHAN,  
Grand Rapids, Mich.
- 10:45—Good Manufacturing Practices and  
Plant Evaluations in the Bakery  
The philosophy, necessity and standards of  
GMP and PEV with regard to the baking  
industry.  
THOMAS L. HUGE, St. Louis, Mo.
- 11:05—Discussion Period
- 11:20—The Impact of Food Laws  
on the Function of Bakery Engineers  
Government Regulations. Where do we  
stand? Where are we going?  
MICHAEL F. MARKEL, Washington, D.C.
- 11:40—Discussion Period
- 11:55—Adjournment for Luncheon

## MONDAY AFTERNOON PROGRAM

March 3, 1969

### SESSION CHAIRMAN

JAMES M. DIEHL, Chicago, Ill.

- 1:20—Meeting Room Opens (Great Hall)  
Song Leader—HARRY D. GARDNER,  
Albion, Mich.
- 1:25—Call to Assembly  
Meeting Chairman  
LAWRENCE E. PILE, Cleveland, Ohio
- 1:30—Pre-ferments—Concepts and Engineering  
Process, layout and equipment requirements. In a word—planning the pre-ferment system.  
SYDNEY BARE, III, White Plains, N.Y.
- 1:50—Discussion Period
- 2:10—Pre-ferments—Production Techniques  
Then into production and a discussion of  
techniques and effects of process variables  
on product.  
MAYNARD R. EUVERARD, Richmond, Va.
- 2:30—Discussion Period
- 2:50—Accelerated Mechanical Dough Development  
Reporting results of fundamental studies  
of mechanically developed doughs and  
commercial use of such results.  
DR. J. B. M. COPPOCK, London, England
- 3:10—Discussion Period
- 3:30—Fermentation—Today and Tomorrow  
Now let's tie it all together. What's the  
status of and the outlook for the future of  
fermentation in the light of our previous  
presentations.  
DR. SIMON S. JACKEL, New York, N.Y.
- 3:50—Discussion Period
- 4:10—Adjournment



## MONDAY EVENING PROGRAM

March 3, 1969

### RECEPTION CHAIRMAN

PAUL H. PRENTISS, Skokie, Ill.

5:30-7:00—President's Get-Acquainted Reception  
In the Gold Room

This is your chance to meet the Society's President, as well as the other Officers and their ladies—and to get better acquainted with your fellow Engineers. After an hour or so of such fellowship, everyone is free to spend the balance of the evening as they see fit.

NANCY CIGLER, Accordionist

## TUESDAY MORNING PROGRAM

March 4, 1969

### SESSION CHAIRMAN

WILLIAM D. RICHARD, Chicago, Ill.

8:45—Meeting Room Opens (Great Hall)  
Song Leader—HARRY R. VERNON,  
Richardson, Texas

8:55—Call to Assembly  
Meeting Chairman  
WILLIAM H. ZIEMKE, San Jose, Calif.

9:00—Scheduling of Variety Breads and Rolls  
for Profit  
This paper will cover scheduling techniques employed for producing such variety breads as rye, whole wheat, pumpernickel, raisin, Italian, French, on a profitable basis.  
NICHOLAS TSAKALOS, Baltimore, Md.

9:20—Discussion Period

9:40—Degassing Equipment for Processing Bread  
and Bun Doughs  
Will include basic operating principle of the equipment, formulae and processing modifications required and benefits that are obtained with its use.  
C. DEAN BINGAMAN, Memphis, Tenn.

10:00—Discussion Period

10:20—Practical Methods for Control of Cripples  
This paper will cover the setting up of an effective cripple control program. This would include establishing cripple accountability records for each department, cripple contests, and the role of the maintenance department in this program.  
ELMER L. PIERCE, Alexandria, La.

10:40—Discussion Period

11:00—The Function of Oxidants in Bread  
and Roll Production  
This presentation will include all oxidants now in use in this country, and how they function in both conventional and continuous bread and roll production.  
DR. FRED F. BARRETT, Dallas, Texas

11:20—Discussion

11:40—Adjournment for Luncheon

Canadian Member Luncheon  
Florentine Room

Oklahoma State University Baking School  
Luncheon—Roosevelt Room

American Association of Cereal Chemists  
Luncheon—Lincoln Room

## TUESDAY AFTERNOON PROGRAM

March 4, 1969

### SESSION CHAIRMAN

DENNY SHOGREN, Chicago, Ill.

1:15—Meeting Room Opens (Great Hall)  
Song Leader—WILLIAM E. MAIER,  
Reading, Pa.

1:25—Call to Assembly  
Meeting Chairman  
PHILIP W. ORTH, JR., Milwaukee, Wisc.

1:30—The Use of Emulsifiers in Bakery Foods  
This will cover popular types of emulsifiers and combinations of same presently being used. Will bring out the benefits, as well as the limitations involved in their use in bakery foods. Emphasis will be on cake emulsifiers and also on those emulsifiers permitted in the Standards for Bread.  
WILLIAM H. KNIGHTLY, Wilmington, Del.

1:50—Discussion Period

2:10—Are You "UP" on Your Costs?  
This paper will cover the basic method of obtaining a unit cost to the "dock," with the use of formula and production cost cards and forms discussed—with emphasis on application.  
R. E. KETT, Chicago, Ill.

2:30—Discussion Period

2:50—Divertissement

2:55—Continuing Education of Production Workers  
This paper will deal with the continuing education of average worker in the plant, not with education of professional or supervisory personnel.  
JACK WRIGHT, Chicago, Ill.

3:15—Discussion Period

3:35—A Training Program  
for Maintenance Mechanics  
This paper will discuss how to set up a practical training program for maintenance mechanics, with discussion of the pitfalls and successes.  
W. DOUGLAS HOWSER, JR., Cincinnati, Ohio

3:55—Discussion Period

4:15—Adjournment

4:30-7:30—Bakery Foods Display  
(Avenue East and West Rooms)

### CHAIRMAN

J. J. VISKOCIL, Franklin Park, Ill.

### ASST. CHAIRMAN

WILLIAM J. GREWE, Chicago, Ill.

7:00—American Institute of Baking Alumni Dinner  
Gold Room

## TUESDAY EVENING PROGRAM

March 4, 1969

### BAKERY FOODS DISPLAY

## Committee

J. J. Viskocil, Chairman

Wm. J. Grewe, Asst. Chairman

Donald F. Anetsberger	Ralph E. Luedtke
Gregory L. Anetsberger	R. Lutz
E. J. Blanchard	B. A. Morgan
H. D. Fortner	Edward Smoots
William A. Hoffman	Wm. Untch

The Bakery Foods Display gets better every year and this year is no exception. Our chairman has again outdone himself in sampling all available items for us to see and up-date ourselves on. The time you spend here is always fruitful for, if the ideas for you aren't directly in sight, the items seen inevitably provide the idea.

We acknowledge, with grateful appreciation, the cooperation of our friends in the allied trades, who collected most of the bakery products for this Display. We also thank the donors of this merchandise. Their help makes this Display possible. Our thanks to our members who sent in samples of their products.

This Display will be opened at the adjournment of the Tuesday Afternoon Session. **ADMISSION BY BADGE ONLY.** Samples on Display are to be **VIEWED ONLY** from opening to 6:30 P.M. It has been decided that visitors at the Display shall have the privilege after 6:30 P.M. of examining, testing and eating any part of the merchandise displayed. At the close of the display, 7:30 P.M., all samples will be turned over to the Salvation Army for local consumption.

## WEDNESDAY MORNING PROGRAM

*March 5, 1969*

### SESSION CHAIRMAN

EDWARD A. HAUT, Olean, N.Y.

#### 8:50—Meeting Room Opens (Great Hall)

Song Leader—VERNON J. DEBO,  
Kansas City, Mo.

#### 9:00—Call to Assembly

Meeting Chairman  
CARL C. HAUSWALD, JR., Baltimore, Md.

#### 9:05—New Production Techniques for Yeast-Raised Sweet Products

Danish and other roll-in pastries are emphasized in this presentation of practical production procedures.

WALTER O. KUNSTMANN, Northbrook, Ill.

#### 9:25—Discussion Period

#### 9:45—Problems Encountered with Sugar Coatings of Cake Doughnuts

A clear understanding and attention to details solve vexing problems.

FRANK E. JOHNSON, Milwaukee, Wis.

#### 10:05—Discussion Period

#### 10:25—Fillings for Sweet Yeast-Raised Products

Fillings and toppings (except fruits); an important conclusion to this subject following the 1968 paper on fruit fillings.

JEAN A. KAVANAGH, Buffalo, N.Y.

#### 10:45—Discussion Period

#### 11:05—Small Baked and Fried Items

Size, shape, textural characteristics—and how these are affected by production techniques.

JOHN N. CURTIN, Charlotte, N.C.

#### 11:25—Discussion Period

#### 11:45—Adjournment for Luncheon

## WEDNESDAY AFTERNOON PROGRAM

*March 5, 1969*

### SESSION CHAIRMAN

DONALD O'BRIEN, Norwalk, Conn.

#### 1:15—Meeting Room Opens (Great Hall)

Song Leader—WILLIAM E. BUSSE,  
South Bend, Ind.

#### 1:25—Call to Assembly

Meeting Chairman  
WILLIAM C. KOLLMAN, Wilton, Conn.

#### 1:30—New Bakery Products for Military Feeding

Military feeding concepts—compressed, expandable bread—bakery bars—flexibly-packaged, heat-processed items. From concept to specific example.

DONALD E. WESTCOTT, Natick, Mass.

#### 1:50—Discussion Period

#### 2:10—Up-To-Date Information on

##### Packaging Materials and Packaging Machinery

Flexible, semirigid, and rigid materials—what they do, where they are used, and how they are used.

JOSEPH A. TURIELLO, Teaneck, N.J.

#### 2:30—Discussion Period

#### 2:35—Divertissement

#### 2:40—The Economics of Automation

Cost of equipment, labor saved, time for write-off, and how these are applied to bread proofers, automatic oven loaders and unloaders, pan systems—with many other examples.

PAUL W. KAMMAN, Park Ridge, Ill.

#### 3:00—Discussion Period

#### 3:20—Use of Computers by Bakers

An explanation of this modern tool and its application which will be understood by all.

RICHARD K. PATTERSON, Boston, Mass.

#### 3:40—Discussion Period

#### 4:00—Installation of Officers

#### 4:10—Final Adjournment



## BAKERS COURTESY CLUB

The members of this very fine group of Chicago Allied Men volunteer their services for our Meeting each year. They contribute greatly to the conduct and success of the Annual Meeting and we are pleased to publicly acknowledge their outstanding help again this year.

These men are identified by the familiar "ASK ME" badges. Please cooperate with them.

In addition to ushering during all regularly scheduled functions, they render valuable assistance in many other ways, namely:

- ...See that everyone is promptly seated.
- ...Prevent congestion at the door at all times.
- ...Man the microphones in the Meeting Room when you have a question to ask or a statement to make.
- ...Assist where possible in providing information about the Meeting.
- ...Maintain an Information Desk in the Rendezvous Foyer. A courteous attendant is on duty at all times between and during sessions ready to be of service.
- ...Receive telephone calls, telegrams, and personal messages which reach the hotel for those attending our Meeting. No interruptions to page anyone are permitted except in extreme emergencies.
- ...Post notices of calls or messages on Message Board; by checking this board occasionally you can help them in their service to you.
- ...Distribute session material such as charts, formulas, releases, when necessary.

This outstanding organization has long been of real service to us and to the industry of which we are all a part. May they continue to grow and prosper.

## PAYMENT OF DUES

Those desiring to pay dues during the Annual Meeting may do so at the Special A.S.B.E. Office located conveniently in the Plaza Room (Second Floor). A.S.B.E. personnel will be on duty, and will give you a temporary receipt, your official receipt will be mailed from the office after the Meeting.

## JOINING THE SOCIETY

This is an excellent time to join the Society. Application blanks are available at the Membership Desk and signed applications will be accepted. A temporary receipt will be provided. Your official dues card, membership certificate and printed material will be mailed after the Meeting.

Also page 44 of this Program is a membership application form for your convenience.

## COMMERCIALISM POLICY

If you have a question to ask or a statement to make during the sessions, request a microphone, rise, state your name and home city and then proceed. It is the FIRM POLICY of the Society that everyone appears as an individual and not as the representative of any commercial organization; hence, there shall be no commercial exploitation of any product, machine, equipment, brand name, firm name, patent, publication or service from either the speakers' platform or the floor.

## FOR YOUR CONVENIENCE

Restaurants in Pick-Congress  
Coffee Shop  
Pompeian Room  
Royal Scots Grill  
Tavern Tap  
Tipperary Inn

## FOR YOUR INFORMATION

For your convenience in locating the various rooms in the Pick-Congress assigned for our use, we list the floors:

### PROGRAM MEETING ROOM

Great Hall—Second Floor

### OTHER

Lincoln Room—Exec. and Advis. Comm. Meeting—Third Floor  
Washington Room—Luncheon for Exec. and Adv. Comm.—Third Floor  
Lake Shore Room—Executive Comm. Meeting (Sun.)—Third Floor  
Roosevelt—Program Participant's Meeting—Third Floor  
Plaza A.S.B.E. Office—Second Floor  
Belmont—Property Room—Second Floor  
Francis I Room (Registration)—Second Floor  
Avenue East and West (Bakery Foods Display)—Ground Level  
Columbian—Executive Committee Meeting—Third Floor

## WEAR YOUR BADGE!

You will be admitted to the Meeting ONLY if you are *wearing* your badge. Wear it proudly, it is your identification that you have registered for the 45th Annual Meeting.

## SOCIETY POLICY ON ALLIED ACTIVITIES

As has been Society policy for years it is expected that allied firms will not maintain reception rooms where liquor is served. It is also expected that commercial promotion of company or brand names will not be indulged in through such media as signs, room displays, moving pictures, general distribution of printed literature, samples, or advertising novelties. The usual cooperation of all allied firms in this policy which has been such an important factor in the success of our meetings in past years is anticipated again this year.