

PROCEEDINGS
OF
THE FIFTY-THIRD ANNUAL MEETING
OF THE
AMERICAN SOCIETY OF BAKERY ENGINEERS
1977



MARCH 7-9, 1977
CHICAGO, ILLINOIS

TABLE OF CONTENTS

Introduction

Introduction	5
Program booklet highlights	6
Officers	7
Creed	16

Monday Morning Session

The Meeting opens—Eugene D. Swenson	17
Invocation—Paul W. Kamman	17
The President comments—Donald S. Noot	18
The Secretary reports—Robert A. Fischer	19
Program preview—Armand P. Cicciu	21
Opening address—Langdon S. Flowers	23
Presentations and introductions	27
Annual business meeting	30
Report on Ladies' Tea	34

Monday Afternoon "A" Session

The session opens—David N. Pfefer	35
The Canadian concept of no-time dough systems— E. Harley Shirley	36
Discussion	41
Combining continuous mixing and batch-type systems for bread—Douglas H. Carpenter	43
Discussion	47
Combining continuous mixing and batch-type systems for buns—William E. Dibble	48
Discussion	51
High fiber bread production—Dr. Y. Pomeranz	54
Discussion	60
Specialty breads—update and new trends— Kenneth W. Ford	61
Discussion	63

Monday Afternoon "B" Session

The session opens—David J. Ash	65
New cake products from research and development to market— Frank P. Shipman	66
Discussion	72
Small cake production—James J. Hokes	73
Discussion	76
Chemical leavening agents defined—Glenn LaBaw	77
Discussion	80
Icings and fillings for cakes—John D. Guckenberger	81
Discussion	86
Report on President's "Get-Acquainted" Reception	89
Report on Allied Trades of the Baking Industry Early Bird Breakfast	89

Tuesday Morning Session

The session opens—Herman L. Glover	90
Innovations in packaging breads and buns—Frank J. Bastasch	91
Discussion	98
Agents to reduce mixing time—A. G. Powell	99
Discussion	102
Everything you have ever wanted to know about bread flour but were afraid to ask— Jones J. Davidson, Frederick J. Bower, Seymour Pomper, Donald K. Dubois, George K. Minor, Antal G. Oszlanyi	104
Report on American Association of Cereal Chemists Luncheon	114
Report on Canadian Member Luncheon	115
Report on Clayton Emerick Memorial Luncheon	115

Tuesday Afternoon Session

The session opens—Lois C. Rasco	116
Automated sweet yeast-raised production—Thel Shaffer	117
Discussion	123
Increasing production capacity—Frank R. Goley	124
Discussion	129
Sanitation—emphasis on self-inspection—Kenneth V. Nyberg	132
Discussion	139

Open Forum Session

The open forum opens—A. Charles Roland, III	142
Know your society—Charles B. Clark	142
Open forum discussion—A. Charles Roland, III	145
Report on Bakery Foods Display	157

Wednesday Morning Session

The session opens—Salvatore F. Pasciuto	158
Update on artificial and natural food color additives— Harry Meggos	159
Discussion	162
Z50 safety standards—Charles F. Hess, Jr.	164
Discussion	169
G.M.P. status report—Herman Saussele, Jr.	170
Discussion	173
Regulatory developments affecting the baking industry— Paul Khan	173
Discussion	179
Installation of officers	179
Final adjournment	183

Miscellaneous

Subject index of 1977 Meeting	185
Subject listing of papers covered in PROCEEDINGS—1965-1976 inclusive	191
Registration list	199

of the
Fifty-Third Annual Meeting
AMERICAN SOCIETY
OF
BAKERY ENGINEERS

March 7-9, 1977

Pick-Congress Hotel, Chicago, Illinois

As a service to our members, we have included a list of the papers presented during the Annual Meetings from 1965 through 1976. The titles of the papers have been grouped under general headings according to the primary subject matter covered in the papers. We hope this list is helpful to you in locating information on subjects in which you have a particular interest.

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 prints 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

**©Copyright 1977 by The American Society of Bakery Engineers
Printed in U.S.A.**

TABLE OF CONTENTS

Introduction

Introduction	5
Program booklet highlights	6
Officers	7
Creed	16

Monday Morning Session

The Meeting opens—Eugene D. Swenson	17
Invocation—Paul W. Kamman	17
The President comments—Donald S. Noot	18
The Secretary reports—Robert A. Fischer	19
Program preview—Armand P. Cicciu	21
Opening address—Langdon S. Flowers	23
Presentations and introductions	27
Annual business meeting	30
Report on Ladies' Tea	34

Monday Afternoon "A" Session

The session opens—David N. Pfefer	35
The Canadian concept of no-time dough systems— E. Harley Shirley	36
Discussion	41
Combining continuous mixing and batch-type systems for bread—Douglas H. Carpenter	43
Discussion	47
Combining continuous mixing and batch-type systems for buns—William E. Dibble	48
Discussion	51
High fiber bread production—Dr. Y. Pomeranz	54
Discussion	60
Specialty breads—update and new trends— Kenneth W. Ford	61
Discussion	63

Monday Afternoon "B" Session

The session opens—David J. Ash	65
New cake products from research and development to market— Frank P. Shipman	66
Discussion	72
Small cake production—James J. Hokes	73
Discussion	76
Chemical leavening agents defined—Glenn LaBaw	77
Discussion	80
Icings and fillings for cakes—John D. Guckenberger	81
Discussion	86
Report on President's "Get-Acquainted" Reception	89
Report on Allied Trades of the Baking Industry Early Bird Breakfast	89

Tuesday Morning Session

The session opens—Herman L. Glover	90
Innovations in packaging breads and buns—Frank J. Bastasch	91
Discussion	98
Agents to reduce mixing time—A. G. Powell	99
Discussion	102
Everything you have ever wanted to know about bread flour but were afraid to ask— Jones J. Davidson, Frederick J. Bower, Seymour Pomper, Donald K. Dubois, George K. Minor, Antal G. Oszlanyi	104
Report on American Association of Cereal Chemists Luncheon	114
Report on Canadian Member Luncheon	115
Report on Clayton Emerick Memorial Luncheon	115

Tuesday Afternoon Session

The session opens—Lois C. Rasco	116
Automated sweet yeast-raised production—Thel Shaffer	117
Discussion	123
Increasing production capacity—Frank R. Goley	124
Discussion	129
Sanitation—emphasis on self-inspection—Kenneth V. Nyberg	132
Discussion	139

Open Forum Session

The open forum opens—A. Charles Roland, III	142
Know your society—Charles B. Clark	142
Open forum discussion—A. Charles Roland, III	145
Report on Bakery Foods Display	157

Wednesday Morning Session

The session opens—Salvatore F. Pasciuto	158
Update on artificial and natural food color additives— Harry Meggos	159
Discussion	162
Z50 safety standards—Charles F. Hess, Jr.	164
Discussion	169
G.M.P. status report—Herman Saussele, Jr.	170
Discussion	173
Regulatory developments affecting the baking industry— Paul Khan	173
Discussion	179
Installation of officers	179
Final adjournment	183

Miscellaneous

Subject index of 1977 Meeting	185
Subject listing of papers covered in PROCEEDINGS—1965-1976 inclusive	191
Registration list	199

American Society of Bakery Engineers

ROBERT A. FISCHER, SECRETARY

Room 1921, Riverside Plaza Bldg.
2 North Riverside Plaza
CHICAGO, IL 60606

53rd ANNUAL MEETING

PICK-CONGRESS HOTEL
March 7-9, 1977, Chicago, Illinois

Introduction to the 1977 PROCEEDINGS

It is with a great deal of pride that this copy of the PROCEEDINGS of the 53rd Annual Meeting of the American Society of Bakery Engineers is sent to you as a privilege of membership.

The Meeting was held at the Pick-Congress Hotel, Chicago, Illinois from March 7 through March 9, 1977. Total registration for the 53rd Annual Meeting was 1,220—not including ladies who accompany registrants and who receive complimentary badges.

In this copy of the PROCEEDINGS, in complete form, are reproductions of the 19 papers which were presented—along with the transcripts of the Flour Debate, the Open Forum and the discussions which followed each paper. Some papers were supplemented with slides and/or handout materials and these have also been reproduced.

To assure accuracy of the text, every participant who could be identified has been given the opportunity to edit the comments taken down by the reporter at the Meeting. Therefore, the Society can guarantee that the record is correct insofar as it represents the intent of the speakers.

The PROCEEDINGS is an excellent reference source and is a valuable addition to the library of anyone involved in or interested in bakery production. For convenience in locating references in this book, a table of contents and a

subject index has been included. For references in earlier editions, there is a section listing the titles of papers presented on Annual Meeting programs from 1965 to 1976.

The planning for each year's program starts with the comments submitted by members on the Program Evaluation Cards and the suggestions on the Program Planning Questionnaires. The Program Committee for the 1977 Annual Meeting devoted many hours fashioning the excellent program from these suggestions.

The Program Committee, however, did not work alone. The success of any meeting, and particularly one such as ours, requires the cooperation of many individuals. Our Society is fortunate, indeed, to have so many individuals dedicated to the baking industry. The members of the Bakers Courtesy Club of Chicago, for example, who volunteer to serve as ushers, handle the floor microphones in the meeting room, and maintain an information and message center. The trade press is also very cooperative and provide fine coverage of our Annual Meeting and year-round activities, and also provide most of the photographs of attendees for the PROCEEDINGS.

We are grateful to our members, and to non-members as well, who appeared on the program—for their willingness to share their knowledge. Also, to our members who serve on various committees—the Executive, the Advisory and the standing and special committees. It

is the Executive Committee, you know, which meets semi-annually to consider matters important to the operation of A.S.B.E. and to approve the Annual Meeting program and the projects being pursued by other committees.

The Annual Meeting program includes events in addition to the technical sessions. The Bakery Foods Display always draws good attendance as does the President's Get-Acquainted Reception. For the ladies, there is the Tea on Sunday afternoon.

Attending our Annual Meeting also gives the members of other groups the opportunity to hold special functions and our Society is very pleased to help with the arrangements. The Early Bird Breakfast sponsored by the Allied

Trades of the Baking Industry was very successful on Tuesday morning. On Tuesday afternoon, special luncheons were again held by the American Association of Cereal Chemists, the Canadian Members and the Clayton Emerick Memorial group.

Bound between the covers of this PROCEEDINGS is the entire 53rd Annual Meeting program. Every member receives a copy which we hope will become a permanent part of his technical library on bakery production.

This book will be of particular value to members who were not able to attend the Annual Meeting. The information in this PROCEEDINGS is valuable and should be kept handy for frequent reference.

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 ROOMS

Great Hall—Second Floor

Monday A.M. Session
Monday P.M. "A" Session
Tuesday A.M. Session

Gold Room—Second Floor

Monday P.M. "B" Session
Tuesday P.M. Session
Tuesday P.M. Open Forum
Wednesday A.M. Session

OTHER

Buckingham Room—Advisory Committee Meeting—Ground Level

Alcove—Luncheon for Advisory Committee—Ground Level

Buckingham Room—Executive Committee Meeting (Sun.)—Ground Level

Gold Room—Program Participant's Meeting—Second Floor

Plaza Room—A.S.B.E. Office—Second Floor

Belmont Room—Property Room—Second Floor

Francis I Room—Registration—Second Floor

Windsor and Buckingham Rooms—Bakery Foods Display—Ground Level

Buckingham Room—Executive Committee Meeting (Wed.)—Ground Level

PRIZES ON DISPLAY

See the prizes for the Wednesday morning attendance drawings in the lobby window of the men's shop on the right of the Michigan Ave. main entrance to the hotel.

INTRODUCTION

TO YOUR

53rd ANNUAL MEETING

Fellow Engineers, welcome to the 53rd Annual Meeting of the American Society of Bakery Engineers.

This year, we will have 19 papers covering what we feel will be very interesting subjects—most of which were requested by our members.

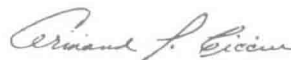
Monday afternoon's sessions will be concurrent—one dealing specifically with bread and rolls and the other on cake-related subjects.

An innovation this year will be a portion of our Tuesday morning session which concerns FLOUR, and features a panel of experts who deal with this all-important ingredient daily. We believe it will prove to be a very provocative, interesting and enlightening session.

On Tuesday afternoon during our Open Forum Session, a paper will be featured covering the Society's structure and your place in it. We urge you to attend!

Papers of vital interest will be presented at the Wednesday morning session and once again, due to the interest shown last year, we will have valuable attendance prizes. So, plan to be with us on Wednesday morning.

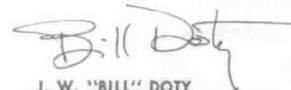
It is the sincere hope of those of us on the Program Committee, that you will gain valuable information during the sessions and that your stay will be a very enjoyable one.



ARMAND P. CICCII
PROGRAM CHAIRMAN



FRANK J. FISCHER
FIRST ASSISTANT
PROGRAM CHAIRMAN



J. W. "BILL" DOTY
SECOND ASSISTANT
PROGRAM CHAIRMAN

AMERICAN SOCIETY OF BAKERY ENGINEERS

ROOM 1921, RIVERSIDE PLAZA BLDG.

2 NORTH RIVERSIDE PLAZA

CHICAGO, ILLINOIS 60606

OFFICERS 1976-1977



DONALD S. NOOT
President



JOHN L. DeKEIZER
First Vice President



LYLE C. WOODS
Second Vice President



BYRON R. BAIRD
Third Vice President



ROBERT A. FISCHER
Secretary-Treasurer

PROGRAM CHAIRMEN 1976-1977



ARMAND P. CICCUI
Program Chairman



FRANK J. FISCHER
First Assistant Chairman



J. W. BILL DOTY
Second Assistant Chairman

OFFICERS OF CHAPTERS AFFILIATED TO A.S.B.E.

BRITISH

ChairmanKenneth Sydney
First Vice ChairmanAlexander M. Buchanan
Second Vice ChairmanGerald Bruce
SecretaryRonald W. Sheppard
Assistant SecretaryShelia J. Wedgwood
TreasurerColin A. Matthes

AUSTRALIAN

ChairmanKim Johnson
First Vice ChairmanPeter H. W. Rafferty
Second Vice ChairmanBernard Rumphorst
Third Vice ChairmanJohn W. Packham
Secretary-TreasurerMichael B. Dennis

REGISTRATION

Please register promptly on arrival to prevent delays during meeting hours.

Registration Hours

Sunday	1:00 P.M. to 5:00 P.M.
Monday	8:00 A.M. to 5:00 P.M.
Tuesday	8:00 A.M. to 5:00 P.M.
Wednesday	8:00 A.M. to 10:00 A.M.

Registration Desk

Francis I Room

Near escalators on second floor. Please cooperate by keeping escalator landings free of crowds, and avoid group conversations in front of registration desks.

Registration Fees

Members	\$30.00
Non-Members	\$50.00

Registration includes President's Reception and Bakery Foods Display. Admittance to these events is limited to registrants—by badge only.

JOINING THE SOCIETY

A non-member who joins the Society before registering for the 53rd Annual Meeting can register as a member.

The Membership Committee maintains a desk in the registration area (Francis I Room) during the registration hours. Committee members are on hand to explain the benefits of membership and to assist in signing up new members.

BE A BOOSTER MEMBER

To our members — if you have an associate or acquaintance who would benefit from membership in the Society—pass the application form in this book along to him.

SCHEDULE OF LADIES' ACTIVITIES

SUNDAY, MARCH 6, 1977

2:30-4:30 P.M.—Ladies' Tea
Lincoln Room

MONDAY, MARCH 7, 1977

5:30-7:00 P.M.—President's Reception
Gold Room

TUESDAY, MARCH 8, 1977

10:00 A.M.—Ladies' Tour
and Luncheon

PRE-MEETING SCHEDULE OF EVENTS

SUNDAY, MARCH 6, 1977

10:00 A.M.—ADVISORY COMMITTEE
MEETING

Buckingham Room

1:00 P.M.—ADVISORY COMMITTEE
LUNCHEON

Alcove

2:00 P.M.—EXECUTIVE COMMITTEE
MEETING

Buckingham Room

2:30-4:30 P.M.—LADIES TEA
Lincoln Room

(Third Floor—North)

4:00 P.M.—PROGRAM PARTICIPANTS,
SESSION CHAIRMEN AND
MEETING CHAIRMEN MEETING
Gold Room

POST-MEETING SCHEDULE OF EVENTS

WEDNESDAY, MARCH 9, 1977

2:00 P.M.—EXECUTIVE COMMITTEE
MEETING

Buckingham Room

THURSDAY, MARCH 10, 1977

8:00 A.M.—PROGRAM COMMITTEE
MEETING

Lake Shore Room

SCHEDULE OF NON-A.S.B.E.-MEETING FUNCTIONS

TUESDAY, MARCH 8, 1977

Allied Trades of the Baking Industry, Inc.

Early Bird Breakfast

8:00 A.M.—Gold Room
William T. McCurry
Chairman

American Association of Cereal Chemists Luncheon

12:00 Noon—The Blackstone Hotel
Henry Zobel, Chairman

Canadian Members Luncheon

11:45 A.M.—Oxford Room
R. A. Conrad, Chairman

Clayton Emerick Memorial Luncheon Luncheon

11:45 A.M.—Florentine Room
Joseph DeMaria, Chairman

MONDAY MORNING PROGRAM

March 7, 1977

GREAT HALL

- 9:00—Meeting Room Opens
- 9:15—Call to Assembly and Greetings
EUGENE D. SWENSON, Cincinnati, OH
Meeting Chairman
- 9:20—Introduction of Song Leaders
WALTER N. CLISSOLD, Evanston, IL
Music Chairman
Song Leaders—
WILLIAM E. BUSSE, South Bend, IN
HARRY D. GARDNER, Albion, MI
FRANK C. GNOZA, Corsicana, TX
RUSSELL L. GRAY, Columbus, OH
DWIGHT D. JARVIS, Saginaw, TX
FRED M. JENSEN, Rolling Meadows, IL
KENNETH B. KITCHEN,
Brantford, Ont., Canada
GEORGE L. LANNUIER, South Bend, IN
WILLIAM C. MILES,
Georgetown, Ont., Canada
HARRY R. VERNON, Dallas, TX
- 9:25—Entrance of Officers
Introduction by EUGENE D. SWENSON
- 9:30—Star Spangled Banner—O Canada
- 9:35—Invocation
PAUL W. KAMMAN, Park Ridge, IL
- 9:40—The President Comments
DONALD S. NOOT, Hazelwood, MO
- 9:50—The Secretary Reports
ROBERT A. FISCHER, Chicago, IL
- 10:00—Program Preview
ARMAND P. CICCUI, Scotch Plains, NJ
- 10:05—Introduction of Speaker
LYLE C. WOODS, Kansas City, MO
- 10:10—Opening Address
LANGDON S. FLOWERS, Thomasville, GA
- 10:50—Presentations and Introductions
- 11:10—Annual Business Meeting
Conducted by DONALD S. NOOT, President
- 11:45—Adjournment

MONDAY AFTERNOON PROGRAM

March 7, 1977

TECHNICAL PRODUCTION SESSION "A"

GREAT HALL

- 1:15—Meeting Room Opens
Ensemble—
WILLIAM E. BUSSE, HARRY D. GARDNER,
FRANK C. GNOZA, DWIGHT D. JARVIS,
KENNETH B. KITCHEN
- 1:20—Call to Assembly
EUGENE D. SWENSON, Cincinnati, OH
Meeting Chairman

- 1:25—Introduction to Technical Production Session
DAVID N. PFEFER, Kansas City, MO
Session Chairman

1:30—The Canadian Concept of No-Time Dough Systems

E. HARLEY SHIRLEY, Calgary, Alta., Canada
An explanation of no-time dough systems used in Canada — including formulation, equipment, advantages and disadvantages.

1:50—Discussion

2:00—Combining Continuous Mixing and Batch-Type Systems for Bread

DOUGLAS H. CARPENTER, Rock Island, IL
Continuous mixing with batch-type make-up — including formulation, equipment requirements, economics and finished product characteristics.

2:20—Discussion

2:30—Combining Continuous Mixing and Batch-Type Systems for Buns

WILLIAM E. DIBBLE, Kansas City, MO
Continuous mixing with batch-type make-up — including formulation, equipment requirements, economics and finished product characteristics.

2:50—Discussion

3:00—High Fiber Bread Production

DR. Y. POMERANZ, Manhattan, KS
The types of fibers and/or ingredients to be used for bread production — functionalities and values and characteristics.

3:20—Discussion

3:30—Specialty Breads—Update and New Trends

KENNETH W. FORD, Oconomowoc, WI
Formulation, processing and distribution of specialty breads.

3:50—Discussion

4:00—Adjournment

MONDAY AFTERNOON PROGRAM

March 7, 1977

TECHNICAL PRODUCTION SESSION "B"

GOLD ROOM

1:15—Meeting Room Opens

Ensemble—
RUSSELL L. GRAY, FRED M. JENSEN,
GEORGE L. LANNUIER, WILLIAM C. MILES,
HARRY R. VERNON

1:20—Call to Assembly

JOHN L. DEKEIZER, Deerfield, IL
Meeting Chairman

1:25—Introduction to Technical Production Session

DAVID J. ASH, Rye, NY
Session Chairman

1:30—New Cake Products from Research and Development to Market

FRANK P. SHIPMAN, Boonton, NJ
Concept and procedures for the development and manufacturing of new cake products.

1:50—Discussion

2:00—Small Cake Production

JAMES J. HOKES, Mentor, OH
Update of methods, equipment, packaging and formulation used in the production of small cake items.

2:20—Discussion

2:30—Chemical Leavening Agents Defined
GLENN LABAW, Greenwich, CT
Functionality of chemicals as leavening agents.

2:50—Discussion

3:00—Icings and Fillings for Cakes
JOHN D. GUCKENBERGER, Englewood, NJ
Formulation and equipment used for icings and fillings for cakes.

3:20—Discussion

3:30—Adjournment

MONDAY EVENING PROGRAM

March 7, 1977

GOLD ROOM

5:30-7:00—President's Reception
JOHN F. VOYDA, Chicago, IL, Chairman
President Noot and the other officers, with their ladies, look forward to meeting fellow members and guests at this annual social event. During this interlude, visit with friends and enjoy light refreshments.

TUESDAY MORNING PROGRAM

March 8, 1977

GREAT HALL

9:45—Meeting Room Opens
HARRY D. GARDNER
Song Leader

9:50—Call to Assembly
LYLE C. WOODS, Kansas City, MO
Meeting Chairman

9:55—Introduction to Technical Production Session
HERMAN L. GLOVER, Dallas, TX
Session Chairman

10:00—Innovations in Packaging Breads and Buns
FRANK J. BASTASCH, Los Angeles, CA
Materials, methods, equipment and labor requirements—and advantages and disadvantages.

10:20—Discussion

10:30—Agents to Reduce Mixing Time
A. G. POWELL, Thomasville, GA
The use of enzymes and chemicals to reduce mixing time in the production of bread and rolls.

10:50—Discussion

11:00—Everything You Have Ever Wanted to Know About Bread Flour but Were Afraid to Ask
A dialogue between the flour miller and a bakery production man covering the supplying of uniform flour and what adjustments can be made for flour variations. Also present, a panel of technical men representing suppliers of yeast, chemical additives, flour and emulsifiers.

Flour miller—JONES J. DAVIDSON,
Saginaw, TX

Bakery production man—
FREDERICK J. BOWER, Lewiston, ME

Yeast technical man—SEYMOUR POMPER,
Stamford, CT

Chemical additives technical man—
DONALD K. DUBOIS, Kansas City, MO

Flour technical man—GEORGE K. MINOR,
Commerce City, CO

Emulsifier technical man—
ANTAL G. OSZLANYI, Chicago, IL

11:40—Adjournment

TUESDAY AFTERNOON PROGRAM

March 8, 1977

GOLD ROOM

1:15—Meeting Room Opens
HARRY R. VERNON
Song Leader

1:20—Call to Assembly
BYRON R. BAIRD, Fort Worth, TX
Meeting Chairman

1:25—Introduction to Technical Production Session
LOIS C. RASCO, San Jose, CA
Session Chairman

1:30—Automated Sweet Yeast-Raised Production
THEL SHAFFER, Cape Girardeau, MO
The automated production of sweet yeast-raised items from the continuous mixing operation to automated panning.

1:50—Discussion

2:00—Increasing Production Capacity
FRANK R. GOLEY, Dallas, TX
Techniques used to increase production with existing equipment in the production of bread and rolls.

2:20—Discussion

2:30—Sanitation—Emphasis on Self-Inspection
KENNETH V. NYBERG, Chicago, IL
How to establish and implement a good sanitation program in the bakery.

2:50—Discussion

3:00—Open Forum
A. CHARLES ROLAND, III, St. Louis, MO
Moderator

3:05—Know Your Society
CHARLES B. CLARK, Athens, GA
The organization of the Society—its functions and responsibilities—its committees and their functions.

3:25—Open Forum Discussion

5:15—Adjournment

TUESDAY EVENING PROGRAM

March 8, 1977

WINDSOR AND BUCKINGHAM ROOMS

5:30-7:30—Bakery Foods Display
J. J. VISKOCIL, Franklin Park, IL, Chairman
HAROLD D. FORTNER, Franklin Park, IL
Assistant Chairman
G. GRIEG HARRISON, Montreal, Quebec, Canada
Canadian Co-Chairman

WEDNESDAY MORNING PROGRAM

March 9, 1977

GOLD ROOM

- 9:00—Meeting Room Opens
WALTER N. CLISSOLD
Song Leader
- 9:05—Call to Assembly
DONALD S. NOOT, Hazelwood, MO
Meeting Chairman
- 9:10—Introduction to Technical Production Session
SALVATORE F. PASCIUTO, Pinehurst, MA
- 9:15—Update on Artificial and Natural Food Color Additives
HARRY MEGGOS, St. Louis, MO
The past, present and future of food colorings—with special emphasis on the current status.
- 9:35—Discussion
- 9:45—Z-50 Safety Standards
CHARLES F. HESS, JR., Wyckoff, NJ
The development of the baking industry safety standards and their application.
- 10:05—Discussion
- 10:15—G.M.P. Status Report
HERMAN SAUSSELE, JR., St. Louis, MO
Latest developments regarding good manufacturing practices.
- 10:35—Discussion
- 10:45—Regulatory Developments Affecting the Baking Industry
PAUL KHAN, Rye, NY
Specific coverage of fats and oils, yeast foods and dough conditioners and other regulatory developments.
- 11:05—Discussion
- 11:15—Installation of Officers
- 11:20—President's Comments and Appointments
- 11:35—The Lord's Prayer
ANDREW MAIER, II, Reading, PA
- 11:40—Final Adjournment

SPECIAL EVENTS

PRESIDENT'S GET-ACQUAINTED RECEPTION

MONDAY EVENING — MARCH 7, 1977

5:30-7:00 P.M. — IN THE GOLD ROOM

JOHN F. VOYDA, Chairman

The President's Reception always provides a wonderful opportunity to meet the current officers of the Society, to get together informally with your fellow Engineers and to enjoy light refreshments with congenial company. Come meet your friends and enjoy yourselves.

(Admission by badge only)

BAKERY FOODS DISPLAY

TUESDAY EVENING — MARCH 8, 1977

5:30-7:30 P.M. — IN THE WINDSOR AND BUCKINGHAM ROOMS

JOSEPH J. VISKOCIL, Chairman
HAROLD D. FORTNER, Assistant Chairman
G. GREIG HARRISON, Canadian Co-Chairman

Donald F. Anetsberger
Geoffrey B. Burgess
A. C. Formo
William A. Hoffman
Arthur G. Lieb
B. A. Morgan
Melvin W. Mueller
Frank Pleitgen
John D. Shogren
Wm. D. Untch
Claire B. Vivian

The Bakery Foods Display covers the widest possible variety of bakery foods from all corners of our country and from all over the world. It has practical significance in acquainting us with progress in our specialized field of production. It also instills in us the pride in the achievement of our industry and its contribution to human nutrition.

The Display opens at 5:30 P.M. Tuesday, March 8, 1977. ADMISSION BY BADGE ONLY. Samples in the general display area are to be VIEWED ONLY and may not be opened for examining, tasting and eating. Samples in the "tear-apart room" are open and can be examined, tasted and eaten. At 7:30 P.M. when the display closes, all samples will be turned over to the Salvation Army for local consumption.

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.

A.S.B.E. POLICIES AND GENERAL INFORMATION

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.

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 DUES CARD, and membership certificate will be mailed to you after the Meeting.

ALLIED ACTIVITIES

All hospitality rooms are to be closed during all business sessions. 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.

BAKERY FOODS DISPLAY

Under no circumstances is anyone permitted to remove any bakery products from the display area either while the Display is open or after it closes.

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 40 of this Program is a membership application form for your convenience.

WEAR YOUR BADGE!

You will be admitted to the Meeting ONLY if you are *wearing* your badge. Wear it proudly on your right lapel; it is your identification that you have registered for the 53rd Annual Meeting.

GROW WITH US

If you attended our Meeting as a Non-Member and feel you will benefit by membership in the Society, just fill in the form and mail to our office with \$40.00 (\$5.00 is for initiation fee and \$35.00 dues for the fiscal year). This entitles you to all the publications issued during this period INCLUDING the complete transcript of the Annual Meeting PROCEEDINGS which alone is worth your initial investment.

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.

AMERICAN SOCIETY OF BAKERY ENGINEERS

APPLICATION FOR MEMBERSHIP

I hereby apply for membership in the American Society of Bakery Engineers.

If elected, I promise and agree to abide by the constitution and policies of this organization.

PLEASE TYPE OR PRINT ALL ANSWERS

Name (in full) _____

Home Address _____
Street Address City State Zip Code

Date of Birth _____

Name of Employer _____

Employer's Business Address _____
Street Address City State Zip Code

Send mail to: Home Address ☐ Business Address ☐

Business of Employer _____ Position Held _____

Forty dollars should accompany the application. Five dollars is for Initiation Fee and thirty-five dollars is for the National dues for the fiscal year Sept. 1, - Aug. 31 and all publications of the Society for that year.

Date _____

Please check one or more. Attended:

☐ High School Name _____

☐ College or University... Name _____

Degree _____ Course _____

☐ Baking School Name _____

Recommended by: 1 _____

Recommended by: 2 _____
(Applicants must be recommended by two members)

Signature _____

Send application to Secretary

AMERICAN SOCIETY OF BAKERY ENGINEERS

Room 1921, Riverside Plaza Bldg.
2 North Riverside Plaza Chicago, Illinois 60606

EXECUTIVE COMMITTEE

Donald S. Noot, Hazelwood, Mo.
 John L. DeKeizer, Deerfield, Ill.
 Lyle C. Woods, Kansas City, Mo.
 Byron R. Baird, Fort Worth, Texas
 Robert A. Fischer, Chicago, Ill.
 Eugene D. Swenson, Cincinnati, Ohio
 Frank E. Johnson, Oak Creek, Wisc.
 Marcellus G. Uhrich, Stamford, Conn.
 G. Greig Harrison Montreal, Que., Can.
 Glenn R. Grissinger, York, Pa.
 G. W. Schiller, Arkansas City, Kans.
 Frank H. Otway, Springfield, Ohio
 Otto Richter, Jr., San Antonio, Texas
 Jack H. Barcinski, Kansas City, Kans.
 Richard L. Morine, Mentor, Ohio
 Robert E. Henchal, Sioux City, Iowa
 Richard Schlipf, La Crosse, Wisc.
 Edward A. Stigler, Palos Heights, Ill.
 Howard J. Wolfmeyer, Argo, Ill.

STANDING COMMITTEES

Financial—John C. MacAlpine III, Swarthmore, Pa.
 Publications—Donald K. Dubois, Kansas City, Mo.
 Information Service—Simon S. Jackel, New York, N. Y.
 Manual—J. M. Albright, Park Ridge, Ill.
 Sanitation—Philip E. Winters, Cincinnati, Ohio
 Index—Ross Holton, Denver, Colo.
 Nominating—Eugene D. Swenson, Cincinnati, Ohio
 Membership—A. Charles Roland, III, St. Louis, Mo.
 Planning and Steering—Louis J. Richter,
 San Antonio, Texas
 Insurance—John W. Blum, Atlanta, Ga.
 Hotel Housing—Robert O. Benson, Chicago, Ill.
 Educational—Edward A. Alesch, Richardson, Texas
 Public Relations—William A. Hoffman, Chicago, Ill.
 Research and Study—Paul M. Koren, Cincinnati, Ohio
 Safety Z-50—Robert C. Anderson, Fort Washington, N. Y.
 Standardization of Terms—Richard E. Pyle,
 Chicago, Ill.

SPECIAL COMMITTEES

GMP Task—Herman Saussele, Jr., St. Louis, Mo.
 Atlantic City Booth—William H. Fife, Jr.,
 Des Plaines, Ill.

COMMITTEES — 1977 PROGRAM

PROGRAM COMMITTEE

Armand P. Cicciu, Scotch Plains, N.J.
 Chairman
 Frank J. Fischer, Chicago, Ill.
 First Assistant Program Chairman
 J. W. "Bill" Doty, N. Kansas City, Mo.
 Second Assistant Program Chairman
 Donald S. Noot, Hazelwood, Mo.
 John L. DeKeizer, Deerfield, Ill.
 Lyle C. Woods, Kansas City, Mo.
 Byron R. Baird, Fort Worth, Texas
 Robert A. Fischer, Chicago, Ill.

Thomas E. Keffer, St. Anne, Ill.
 Property Manager
 Donald F. Bianchi, Arlington Heights, Ill.
 William F. Geist, Rockford, Ill.
 John W. Hilton, Muscatine, Ia.
 Morris Kaufman, Chicago, Ill.
 John C. La Botz, Frankfort, Ill.
 Lon D. Zimmerman, St. Louis, Mo.
 Assistant Property Managers

BAKERY FOODS DISPLAY

J. J. Viskocil, Franklin Park, Ill.
 Chairman
 Harold D. Fortner, Franklin Park, Ill.
 Assistant Chairman
 G. Greig Harrison, Montreal, Quebec,
 Canada, Canadian Co-Chairman

PRESIDENT'S GET-ACQUAINTED RECEPTION

John F. Voyda, Chicago, Ill.—Chairman

MUSIC COMMITTEE

Walter N. Clissold, Evanston Ill.—Chairman

DECEASED MEMBERS

Lawrence E. Scott, Kansas City, MO
 Ronald R. Zimmerman, St. Louis, MO
 H. Karl Rehberg, Robbinsdale, MN
 Marvin P. Sykes, Virginia Beach, VA
 Edward J. Eschenroeder, Covington, KY
 Harry H. Howie, Crystal Lake, IL
 Carl R. Slenk, Columbus, OH
 Edward Maslowski, Stevens Point, WI
 C. D. B. McKenna, Cannon Hill, Qld., Australia
 Glen W. Miller, San Jose, CA
 Francis A. Ponticelli, Northbrook, IL
 Kenneth Lee Overley, Louisville, KY
 A. J. Baum, Jr., Baton Rouge, LA
 Herman Bronstein, Slingerlands, NY
 Charles O. Wilson, Raytown, MO
 J. J. McGarty, Cleveland, OH
 Earl C. Macklin, Huntington Wood, MI
 James E. Duffy, Dover, NH
 William L. Haley, Seattle, WA
 Rudolf Harder, Minneapolis, MN
 Julius A. Zimmerman, St. Louis, MO
 Charles A. Glabau, Wyckoff, NJ
 Clinton L. Brooke, Fairfax, VA

PAST PRESIDENTS

(Year of election shown)

1924—Richard Wahl, Indianlantic, Fla.
 1925—C. J. Patterson (deceased)
 1926 & 1927—E. B. Price (deceased)
 1928—George W. Tassie (deceased)
 1929—Gordon H. Darnell, (deceased)
 1930—Louis E. Caster (deceased)
 1931—Ross E. Anderson (deceased)
 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 (deceased)
 1939—William Hauck (deceased)
 1940—Walter T. Moiloy (deceased)
 1941—Cecil C. Cadwell (deceased)
 1942—Wm. F. Gossadge, Louisville, Ky.
 1943—Willard H. Geller (deceased)
 1944 & 1945 Albert J. Faulhaber, Sarasota, Fla.
 1946—Guy T. Shiverdecker, Kettering, Ohio
 1947—Jake M. Albright, Park Ridge, Ill.
 1948—Otto Richter, San Antonio, Tex.
 1949—Harold T. Moody, Westminster, Calif.
 1950—Don F. Copell (deceased)
 1951—Earl B. Cox, (deceased)
 1952—Fred Weberpals, Queens Village, N. Y.
 1953—M. J. Swortfiguer, Owensville, Mo.
 1954—Wallace K. Swanson, Altamonte Springs, Fla.
 1955—Martin Eisenstaedt, Havertown, Pa.
 1956—Arthur G. Hackett, Venice, Fla.
 1957—Harold M. Freund, City of Industry, Calif.
 1958—Andreas F. Reising, New Orleans, La.
 1959—H. Alvin Meyer, Jackson, Miss.
 1960—Clayton C. Daley, Berwick, Pa.
 1961—Robert Nicolait, Santa Barbara, Calif.
 1962—Robert G. Dibble, Sun City Center, Fla.
 1963—John A. Wagner, Drexel Hill, Pa.
 1964—Walter T. Gase (deceased)
 1965—Irwin O. Rohrbach, Malverne, L.I., N. Y.
 1966—George H. Gugler, Sun Valley, Calif.
 1967—Lawrence E. Pile, Cleveland, Ohio
 1968—William C. Kollman, Wilton, Conn.
 1969—William H. Ziemke, San Jose, Calif.
 1970—Carl C. Hauswald, Jr., Baltimore, Md.
 1971—Robert C. Brink, Houston, Tex.
 1972—L. J. Richter, San Antonio, Tex.
 1973—Paul W. Kamman, Park Ridge, Ill.
 1974—Charles B. Clark, Athens, Ga.
 1975—Eugene D. Swenson, Cincinnati, Ohio

PAST PROGRAM

COMMITTEE CHAIRMEN

(Year of program shown)

1929—E. B. Nicolait (deceased)
 1930—G. Cullen Thomas (deceased)
 1931—Peter G. Pirrie (deceased)
 1932—W. E. Doty (deceased)
 1933—C. A. McDuffee (deceased)
 1934—Ross E. Anderson (deceased)
 1935—Charles P. Oliver (deceased)
 1936—R. W. Brooks (deceased)
 1937—W. E. Doty (deceased)
 1938—Harold Hall, Port Angeles, Wash.
 1939—O. S. Otting, 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 (deceased)
 1944—Henry P. Montminy (deceased)
 1945 & 1946—Carl W. Steinhauer (deceased)
 1947—J. H. Debs, Chicago, Ill.
 1948—Tyler R. Stevens, Cape Elizabeth, Maine
 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, North Palm Beach, Fla.
 1958—Clifton R. Scarborough, Shawmut, Ala.
 1959—Lewis P. MacAdams, Dallas, Texas
 1960—Irwin O. Rohrbach, Malverne, L.I., 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, Sun City Center, Fla.
 1965—Zenas Block, New York, N. Y.
 1966—William F. Schroeder (deceased)
 1967—Frank R. Schwain (deceased)
 1968—Philip W. Orth, Jr., Oak Creek, Wis.
 1969—G. N. Bollenback, Washington, D. C.
 1970—Gerald Reed, Milwaukee, Wis.
 1971—Donald K. Dubois, Kansas City, Mo.
 1972—Herman Saussele, Jr., St. Louis, Mo.
 1973—Richard M. Beaverson, Dallas, Tex.
 1974—Ernest O. Cain, Dallas, Tex.
 1975—Frank E. Johnson, Oak Creek, Wis.
 1976—Lyle C. Woods, Kansas City, Mo.