

PROCEEDINGS
of
The Fifty-Fifth Annual Meeting
of the
AMERICAN SOCIETY OF BAKERY ENGINEERS
1979



MARCH 5-7, 1979
CHICAGO, ILLINOIS

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PROCEEDINGS
of the
Fifty-Fifth Annual Meeting
AMERICAN SOCIETY
OF
BAKERY ENGINEERS

March 5-7, 1979

Pick-Congress Hotel, Chicago, Illinois

We gratefully acknowledge the cooperation of the business papers in the baking and allied fields for generously contributing space to describe the activities of the Society during the year. Our special appreciation to those which gave careful coverage to our Annual Meeting and provided us with the photographs which are included in this PROCEEDINGS.

We extend our sincere thanks to the members of the Bakers Courtesy Club of Chicago who served during the Annual Meeting as ushers, microphone monitors and maintained the information desk. On behalf of our members, the Society thanks the "ASK ME" men for serving.

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

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American Society of Bakery Engineers

ROBERT A. FISCHER, SECRETARY

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

55th ANNUAL MEETING

PICK-CONGRESS HOTEL
March 5-7, 1979, Chicago, Illinois

Introduction to the 1979 PROCEEDINGS

This edition of the PROCEEDINGS—like the 50-plus volumes from earlier years—is a valuable reference source for technical information on many phases of bakery production and related areas of interest.

To make the PROCEEDINGS more useful, last year, at the suggestion of the Publications Committee Chairman, we included listings of technical bulletins and E.I.S. reports issued since 1964. This year, as a further step, we have expanded the List of Papers presented at Meetings since 1965. New subject headings have been added, papers have been listed under more than one heading where applicable, and we have included the current year's papers in the listings. All of this has been done in an endeavor to simplify the process of locating information.

As is our usual custom, we have reproduced in complete form all papers which were presented, transcripts of the discussions which followed each paper, and the slides which were shown during the paper presentations.

To ensure accuracy of the text, every participant who could be identified was given the opportunity to edit his comments as recorded by the reporter at the Meeting. In this way, the Society can guarantee that the printed record is

correct insofar as it represents the intent of the speakers.

In addition to the Meeting transcripts and the List of Papers this volume contains a table of contents, a subject index of the 1979 program, a complete registration list, and accounts of special, programmed Meeting events, as well as functions held by other groups.

The program for the 55th Annual Meeting was established and developed by the Program Committee. The Committee used suggestions submitted by members as a basis for selecting program subjects. The Program Chairman appointed Special Events Chairmen who assisted him in planning the President's Reception, the Ladies' Tea, the Bakery Foods Display, the music for the Meeting and in handling the Property Room responsibilities. To all of these chairmen, and to the speakers and session chairmen, our appreciation for a job well done.

We are grateful, also, to the members of the Bakers Courtesy Club of Chicago who served as ushers, microphone monitors and at the information desk. Thanks, too, to the Bakery Trade Press for the photographs in this book and for publicizing and reporting on our Meeting.

The total registration for the 55th Annual Meeting was 1,196 and does not include ladies who accompanied registrants and who received

complimentary badges.

The Executive Committee met on Sunday prior to the beginning of the 55th Annual Meeting and again on Wednesday following the adjournment of the Meeting. At the Wednesday meeting, in addition to critiquing the 55th Annual Meeting program, approving plans for the program of the 56th Annual Meeting, they also approved holding the 56th Annual Meeting at the Chicago Marriott Hotel on North Michigan

Avenue.

Every member of A.S.B.E. receives a copy of the PROCEEDINGS as a benefit of membership. If you attended the 55th Annual Meeting, you probably are anxious to read particular sections of this PROCEEDINGS in which you have a specific interest. Those who could not attend, should study the entire book in order to acquaint themselves with all of the material for future 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
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

FOR YOUR CONVENIENCE

Restaurants in Pick-Congress

Coffee Shop
Counter Spirits
Uncle Albert's
Royal Scots Grill
Tavern Tap
Tipperary Inn

PRIZES ON DISPLAY

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

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.

INTRODUCTION

TO YOUR

55th ANNUAL MEETING

Welcome, my fellow Engineers, to two-and-one-half days of work, fun, and fellowship. The Officers and Program Committee sincerely hope that this, the 55th Annual Meeting of the American Society of Bakery Engineers, will be a memorable affair indeed.

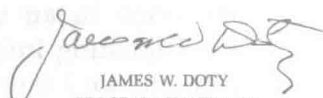
Starting Monday afternoon and continuing through Wednesday noon, 19 technical presentations and one panel discussion (you demanded it!) will be offered. There will be concurrent sessions Monday afternoon—one dealing with bread-related topics, the other dealing with sweet goods.

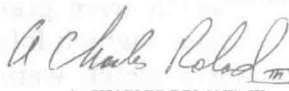
Don't miss the panel discussion Tuesday morning which will address the delicate subject of Industrial Relations. Bring your questions with you.


I would particularly like to encourage each of you to attend the Wednesday morning session featuring topics of vital interest and concern to all of us associated with baking. You'll be glad you did. (You might even be one of the lucky winners in our drawing for attendance prizes.)

Last year I pledged the Program Committee's responsiveness and support for the feelings of the membership. I urged all of you to give us input and involvement for this year's program. The lion's share of this year's program resulted from just that—what you told us you wanted on YOUR program. I salute those of you who responded to the Program Planning Questionnaire and urge all members to do so this year.

The Session Chairmen and Program Participants have worked long and hard on their respective assignments. You can reward them—and more importantly, reward yourself—by your attendance at the sessions.


JAMES W. DOTY
PROGRAM CHAIRMAN


A. CHARLES ROLAND, III
FIRST ASSISTANT
PROGRAM CHAIRMAN


F. ROBT. GRANT
SECOND ASSISTANT
PROGRAM CHAIRMAN

AMERICAN SOCIETY OF BAKERY ENGINEERS

ROOM 1921, RIVERSIDE PLAZA BLDG.
2 NORTH RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606

OFFICERS 1978-1979



BYRON R. BAIRD
President



FRANK H. OTWAY
First Vice President



FRANK J. FISCHER
Second Vice President



RICHARD SCHLIFF
Third Vice President



ROBERT A. FISCHER
Secretary-Treasurer

PROGRAM CHAIRMEN 1978-1979



JAMES W. DOTY
Program Chairman



A. CHARLES ROLAND III
First Assistant Chairman



F. ROBT. GRANT
Second Assistant Chairman

OFFICERS OF AFFILIATES TO A.S.B.E.

BRITISH

Chairman	Frank H. Ellis
First Vice Chairman	Geoff Prince
Second Vice Chairman	T. H. Collins
Third Vice Chairman	Peter R. Ort
Secretary	Ronald W. Sheppard
Assistant Secretary	Sheila J. Wedgwood
Treasurer	David J. Garratt

AUSTRALIAN

Chairman	John W. Packham
First Vice Chairman	Zig Bluzmanis
Second Vice Chairman	George G. Benjamin
Third Vice Chairman	Ronald Devereaux
Secretary-Treasurer	Michael 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	\$40.00
Non-Members	\$60.00

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 55th 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.

AN EXPLANATION OF BADGES AND RIBBONS

Badge Inserts

Green for members
Salmon for non-members
With a star, for new members
(who have joined since 9/1/78)

Ribbons

White for overseas visitors
Silver, coral, ruby & gold for members with more than 25 years continuous membership
Blue for members on the program
Green for Committee Chairmen and Executive Committee members

SCHEDULE OF LADIES' ACTIVITIES

SUNDAY, MARCH 4, 1979

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

MONDAY, MARCH 5, 1979

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

TUESDAY, MARCH 6, 1979

9:30 A.M.—Ladies' Tour
and Luncheon

PRE-MEETING SCHEDULE OF EVENTS

SUNDAY, MARCH 4, 1979

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 7, 1979

2:00 P.M.—EXECUTIVE COMMITTEE
MEETING
Buckingham Room

THURSDAY, MARCH 8, 1979

8:00 A.M.—PROGRAM COMMITTEE
MEETING
Lake Shore Room

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

TUESDAY, MARCH 6, 1979

Allied Trades of the Baking Industry, Inc.
Early Bird Breakfast

8:00 A.M.—Gold Room
John E. Thomson
Chairman

KSU Baking Science Alumni
Breakfast

8:00 A.M.—The Blackstone Hotel
Steven B. Smith
Chairman

American Association of Cereal Chemists
Luncheon

(Not Being Held)

Canadian Members
Luncheon

11:45 A.M.—Lincoln Room
Sidney R. Rowell

Clayton Emerick Memorial Luncheon
Luncheon

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

MONDAY MORNING PROGRAM

March 5, 1979

GREAT HALL

- 9:00 — Meeting Room Opens
- 9:15 — Call to Assembly and Greetings
JOHN L. DEKEIZER, Deerfield, IL
Meeting Chairman
- 9:20 — Entrance of Officers
Introductions by JOHN L. DEKEIZER
- 9:25 — America The Beautiful
ANDREW MAIER, II, Reading, PA
God Bless America
Audience led by ANDREW MAIER, II
- 9:30 — Invocation
LYLE C. WOODS, Olathe, KS
- 9:35 — The President Comments
BYRON R. BAIRD, Fort Worth, TX
- 9:45 — The Secretary Reports
ROBERT A. FISCHER, Chicago, IL
- 10:00 — Program Preview
JAMES W. DOTY, N. Kansas City, MO
- 10:05 — Annual Business Meeting
Conducted by BYRON R. BAIRD, President
- 10:20 — Presentations and Introductions
- 10:30 — Greetings from the Retail Bakers
of America
JOSEPH A. BECKER, President
Sioux Falls, SD
- 10:35 — Greetings from the American Bakers
Association
WILLIAM C. METZ, Chairman of the Board
Sioux City, IA
- 10:40 — Introduction of Speaker
FRANK J. FISCHER, Kansas City, KS
- 10:45 — Opening Address
AMOS R. McMULLIAN, Thomasville, GA
- 11:25 — Announcements
BYRON R. BAIRD, President
- 11:30 — Adjournment

MONDAY AFTERNOON PROGRAM

March 5, 1979

TECHNICAL PRODUCTION SESSION "A"

GREAT HALL

- 1:15 — Meeting Room Opens
- 1:20 — Call to Assembly
JOHN L. DEKEIZER, Deerfield, IL
Meeting Chairman

1:25 — Introduction to Technical Production Session

W. ROY SUTHERLAND, Olathe, KS
Session Chairman

1:30 — The Production of Traditional Breads— Iran, Cuba, Syria, Japan

ANTHONY R. TWEED, Winnipeg, Manitoba, Canada
Slide presentation on bakeries and production methods around the world.

1:50 — Discussion

2:00 — Advantages of Fungal Amylase-Treated Bakery Flour

PETER M. RANUM, Broadview, IL
Role of alpha-amylase in the baking process and potential problems and opportunities resulting from the approval in 1973 of alpha-amylase as a food additive.

2:20 — Discussion

2:30 — Bread Softeners and Dough Conditioners in Combination

GREGORY K. PARRISH, Wilmington, DE
The pros and cons of combining conditioners and softeners into a single product for use in bread production.

2:50 — Discussion

3:00 — Pan Design

ANTHONY N. INZERILLO, Chicago, IL
A discussion of pan materials and innovations in pan design and construction.

3:20 — Discussion

3:30 — Operation of Automated Bun Equipment

An audio-visual training aid presentation.

3:50 — Discussion

4:00 — Adjournment

MONDAY AFTERNOON PROGRAM

March 5, 1979

TECHNICAL PRODUCTION SESSION "B"

GOLD ROOM

- 1:15 — Meeting Room Opens
- 1:20 — Call to Assembly
FRANK H. OTWAY, Springfield, OH
Meeting Chairman
- 1:25 — Introduction to Technical Production Session
DAVID N. PFEFER, Olathe, KS
Session Chairman
- 1:30 — Small Cake Items
DAVID J. ASH, Deerfield, IL
A discussion of the ingredients for small cakes—including replacement ingredients and recent developments in new ingredients.
- 1:50 — Discussion

2:00 — Premium Danish Production
ROGER W. POEHLMAN, Chino, CA
Formulation and technique for the production of premium quality Danish.

2:20 — Discussion

2:30 — Cocoa and Cocoa Extenders
DR. LAWRENCE S. SPIEGEL, Andover, MA
The availability of cocoa and the uses of extenders and replacers of cocoa products and the potential labeling implications.

2:50 — Discussion

3:00 — Fried Pies
J. BRAD BURRIS, Winston-Salem, NC
An update on the production of fried pies—including formulation, dough production, fillings and icings.

3:20 — Discussion

3:30 — Adjournment

MONDAY EVENING PROGRAM

March 5, 1979

GOLD ROOM

5:30-7:00 — President's Reception

JOHN F. VOYDA, Chicago, IL, Chairman
President Baird 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.

(Admission by badge only)

TUESDAY MORNING PROGRAM

March 6, 1979

GREAT HALL

9:45 — Meeting Room Opens

9:50 — Call to Assembly
FRANK J. FISCHER, Kansas City, KS
Meeting Chairman

9:55 — Introduction to Technical Production Session
LOIS C. RASCO, San Jose, CA
Session Chairman

10:00 — Personnel Training
L. WADE JOHNSON, Collegedale, TN
The type of materials and equipment and how they are to be used in relation to the training of employees.

10:20 — Discussion

10:30 — Industrial Relations

A panel discussion, including four short presentations dealing with industrial relations as they concern inside employees only.

Panel Members:

JAMES C. HOUSTON, Rye, NY
JOHN E. SCHAIKLE, II, Buffalo, NY
R. C. CLACK, Dallas, TX
ROBERT T. MARSHALL, Falmouth, ME
Foreside, ME

11:45 — Adjournment

TUESDAY AFTERNOON PROGRAM

March 6, 1979

GOLD ROOM

1:15 — Meeting Room Opens

1:20 — Call to Assembly
RICHARD SCHLIFF, LaCrosse, WI
Meeting Chairman

1:25 — Introduction to Technical Production Session
DR. SIMON S. JACKEL, New York, NY
Session Chairman

1:30 — Electromagnetic Flour Treatment
GEORGE P. STERNBERG, Kansas City, MO
The use of electromagnetic field to stabilize flour baking characteristics.

1:50 — Discussion

2:00 — Machinery for Cleaning and Drying of Plastic Trays and Baskets
HOWARD M. SADWITH, Matawan, NJ
Proper design for equipment used by baking companies to clean and dry plastic trays and baskets.

2:20 — Discussion

2:30 — Scratch vs Mixes and Bases—The Economic Facts
DONALD E. SNYDER, Rolling Meadows, IL
Factual cost comparisons of mixes and bases against scratch formulations.

2:50 — Discussion

3:00 — Coding Systems for Bakers
R. LEWIS WILSON, Jr., Dallas, TX
Machines and methods of providing consumer code and other information via the product.

3:20 — Discussion

3:30 — Mechanical Dough Conditioning—New Systems
STERRETT P. CAMPBELL, Atlanta, GA
Mechanical methods to control dough development after leaving the mixer. How dough pumps affect doughs and how to formulate to compensate.

4:00 — Discussion

4:10 — Adjournment

TUESDAY EVENING PROGRAM

March 6, 1979

WINDSOR AND BUCKINGHAM ROOMS

5:30-7:30—Bakery Foods Display

HAROLD D. FORTNER, Franklin, Park, IL
Chairman

GEOFFREY B. BURGESS, Chillicothe, OH
Assistant Chairman—Display Coordination

THOMAS J. DEGNAN, Englewood, NJ
Assistant Chairman—Eastern Area

ROBERT B. QUICK, Franklin Park, IL
Assistant Chairman—Midwestern Area

ROLAN E. FLETCHER, Walnut Creek, CA
Assistant Chairman—Western Area

KENNETH H. HIGGINS, Des Plaines, IL

WILLIAM A. HOFFMAN, Chicago, IL

GEORGE J. KIEFER, St. Paul, MN

RICHARD L. KOENIG, Franklin Park, IL

GUNNAR LYNUM, Crystal Lake, IL

B. ALVIN MORGAN, Decatur, IL

MELVIN W. MUELLER, Mt. Prospect, IL

RONALD D. PATTI, Chicago, IL

VERNON T. E. PEARSON, Chicago, IL

JOHN C. PLUMLEY, Evergreen Park, IL

LOUIS J. SCARPINO, Jackson, MI

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 6, 1979. ADMISSION BY BADGE ONLY. Samples in the general display area are to be VIEWED ONLY and may not be opened. Samples in the "tear-apart room" are open and can be examined closely. 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.

WEDNESDAY MORNING PROGRAM

March 7, 1979

GOLD ROOM

9:00 — Meeting Room Opens

9:05 — Call to Assembly

BYRON R. BAIRD, Fort Worth, TX
Meeting Chairman

9:10 — Introduction to Technical Production Session

DR. WILLIAM J. HOOVER, Manhattan, KS
Session Chairman

9:15 — Making the Best of our Energy Problems

ROBERT L. WHITESIDE, Dallas, TX

A current look at the availability and costs of our energy resources, followed by specific examples of where energy use can be reduced and where it can be used twice.

9:35 — Discussion

9:45 — Bread Meets the Dietary Goals

DR. PAUL A. LACHANCE, New Brunswick, NJ
Steps the baking industry ought to be taking to capitalize on a magnificent opportunity presented by the Senate Select Committee.

10:05 — Discussion

10:15 — Computerized Preventive Maintenance

EUGENE G. SPIEGLE, Sayerville, NJ
Need for, potential use of, and implementation of computerized preventive maintenance programs.

10:35 — Discussion

10:45 — Dust Explosion Hazards in Bakeries

JOHN D. COONS, Norwood, MA
Explosion hazards in bakeries and how to avoid them.

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

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, city and state, 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.

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, motion 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 32 of this Program is a membership application form for your convenience.

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.

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 55th 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.

The following page is a membership application form.

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 Program Evaluation Cards, handout materials, etc.

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

COMMITTEES 1978-1979 EXECUTIVE COMMITTEE

Byron R. Baird, Fort Worth, TX
Frank H. Otway, Springfield, OH
Frank J. Fischer, Kansas City, KS
Richard Schlipf, La Crosse, WI
Robert A. Fischer, Chicago, IL
John L. DeKeizer, Deerfield, IL
Armand P. Cicciu, Scotch Plains, NJ
Robert E. Henschel, Sioux City, IA
Francis M. Covey, Decatur, IL
Edward A. Stigler, Palos Heights, IL
Howard J. Wolfmeyer, Argo, IL
Frederick J. Bower, Winston-Salem, NC
Ernest T. Stevens, Birmingham, AL
Charles F. Blumm, Pittsburgh, PA
F. Robt. Grant, St. Louis, MO
Jonathan Arnold, San Francisco, CA
Charles R. Clabbers, Savannah, GA
Herman G. Burkett, Dallas, TX
Harold Jaffe, City of Industry, CA

STANDING COMMITTEES

Financial—John C. MacAlpine, Swarthmore, PA
Publications—Donald K. Dubois, Manhattan, KS
Information Service—Simon S. Jackel, New York, NY
Manual—J. M. Albright, Park Ridge, IL
Sanitation—William E. Pieper, Oak Lawn, IL
Index—Ross Holton, Denver, CO
Nominating—John L. DeKeizer, Deerfield, IL
Membership—William O. Devilbiss, Towson, MD
Planning and Steering—Charles B. Clark, Athens, GA
Insurance—James A. Boge, Park Ridge, IL
Hotel Housing—Robert O. Benson, Chicago, IL
Educational—William A. Hoffman, Chicago, IL
Public Relations—John C. Morris, Wilmette, IL
Research and Study—Herman Saussele, Jr.,
St. Louis, MO
Safety Z-50—Robert C. Anderson, Port Washington, NY
Standardization of Terms—Richard E. Pyle, Fargo, ND

SPECIAL COMMITTEES

Exposition Booth—William H. Fife, Jr.,
Des Plaines, IL
England Charter Trip—Charles Michlowitz,
Jamaica, NY

COMMITTEES—1979 PROGRAM PROGRAM COMMITTEE

James W. Doty, N. Kansas City, MO
Chairman
A. Charles Roland, III, St. Louis, MO
First Assistant Program Chairman
F. Robt. Grant, St. Louis, MO
Second Assistant Program Chairman
Byron R. Baird, Fort Worth, TX
Frank H. Otway, Springfield, OH
Frank J. Fischer, Kansas City, KS
Richard Schlipf, La Crosse, WI
Robert A. Fischer, Chicago, IL

PROPERTY COMMITTEE

Thomas, E. Keffer, Chicago, IL
Property Manager
Donald F. Bianchi, Arlington Heights, IL
William F. Geist, Rockford, IL
John B. Howard, Dallas, TX
George E. Laurance, Chicago, IL
Steven B. Smith, Oak Creek, WI
Lon D. Zimmerman, St. Louis, MO
Assistant Property Managers

BAKERY FOODS DISPLAY

Harold D. Fortner, Franklin Park, IL
Chairman
Geoffrey B. Burgess, Chillicothe, OH
Thomas J. Degnan, Englewood, NJ
Rolan E. Fletcher, Walnut Creek, CA
Robert B. Quick, Franklin Park, IL
Assistant Chairmen

PRESIDENT'S GET-AQUAINTED RECEPTION

John F. Voyda, Chicago, IL—Chairman

MUSIC COMMITTEE

Walter N. Clissold, Evanston, IL—Chairman

DECEASED MEMBERS

Anders M. Gyllenbogel, Helsinki, Finland
Carl J. Hornkohl, Chicago, IL
Joseph J. Viskocil, Franklin Park, IL
Edward L. Kelley, Elk Grove Village, IL
Bert Bruenell, Bayside, NY
Harold B. Simon, Naples, FL
Frederick W. Rockwood, Cheshire, CT
Carl J. Arend, Defiance, OH
Harley R. Transue, Albion, MI
Charles Downham, Toronto, Ont., Canada
Lester J. Brenneis, Fostoria, OH
S. H. Yeager, Millburn, NJ
William Hoppe, Longmeadow, MA
F. D. Machon, Park Ridge, IL
Chester L. Gray, Atlanta, GA
Harold J. Stroehmann, Jr., Williamsport, PA
Thomas M. Lyons, Mountain Top, PA
Ronald B. Laing, Abilene, KS
Standish M. Harris, Bulawayo, Rhodesia
Judson H. Lanier, Atlanta, GA
Henry L. Milroy, Mt. Prospect, IL
George A. Johnson, Beaumaris, Vic., Australia
William F. Thie, Cincinnati, OH
Frank J. Shappeck, Morton Grove, IL
Dietrich Paech, Toronto, Ont., Canada
Ralph M. Bohn, Chattanooga, TN
John Hansen, Bettendorf, IA
Carl B. Thomas, Sebring, FL
J. M. Elrod, Atlanta, GA
Edward H. Siewert, Milwaukee, WI
J. Roy Smith, Mobile, AL
Richard E. Ryan, Prairie Village, KS
William H. Rescorl, River Dale, NJ
James C. Orr, Triadelphia, WV
Dale Mohler, Natick, MA
Fred F. Hirt, Oak Lawn, IL

Since our Annual Meeting last year, we learned of the passing of the members listed above. Each contributed in some measure to the success of our Society and we shall miss their presence at our Annual Meetings and their support.

PAST PRESIDENTS

(Year of election shown)

1924—Richard Wahl, Palm Bay, FL
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, CA
1934—Edward M. Joy
1935—F. B. Evers, Nashville, TN
1936—W. J. Ocken (deceased)
1937—John Roberts, Beaumont, TX
1938—Roger Brandenburg (deceased)
1939—William Hauck (deceased)
1940—Walter T. Molloy (deceased)
1941—Cecil C. Cadwell (deceased)
1942—Wm. F. Gossadge, Lee's Summit, MO
1943—Willard H. Geller (deceased)
1944 & 1945—Albert J. Faulhaber, Longboat Key, FL
1946—Guy T. Shiverdecker, Kettering, OH
1947—Jake M. Albright, Park Ridge, IL
1948—Otto Richter, San Antonio, TX
1949—Harold T. Moody, Westminster, CA
1950—Don F. Copell (deceased)
1951—Earl B. Cox (deceased)
1952—Fred Weberpals, Queens Village, NY
1953—M. J. Swortfiguer, Owensville, MO
1954—Wallace K. Swanson, Atlanta, GA
1955—Martin Eisenstaedt, Havertown, PA
1956—Arthur G. Hackett, Venice, FL
1957—Harold M. Freund, City of Industry, CA
1958—Andreas F. Reising, New Orleans, LA
1959—H. Alvin Meyer, Jackson, MS
1960—Clayton C. Daley, Wayne, NJ
1961—Robert Nicolait, Santa Barbara, CA
1962—Robert G. Dibble, Sun City Center, FL
1963—John A. Wagner, Drexel Hill, PA
1964—Walter T. Gase (deceased)
1965—Irwin O. Rohrbach, Reading, PA
1966—George H. Gugler, Sun Valley, CA
1967—Lawrence E. Pile, Cleveland, OH
1968—William C. Kollman, Wilton, CT
1969—William H. Ziemke, San Jose, CA
1970—Carl C. Hauswald, Jr., Baltimore, MD
1971—Robert C. Brink, Villa Hills, KY
1972—Louis J. Richter, San Antonio, TX
1973—Paul W. Kamman, Park Ridge, IL
1974—Charles B. Clark, Fort Smith, AR
1975—Eugene D. Swenson, Winter Haven, FL
1976—Donald S. Noot, Hazelwood, MO
1977—John L. DeKeizer, Deerfield, IL

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, WA
1939—O. S. Otting, New Smyrna Beach, FL
1940—George T. Carlin, Furman, AL
1941—G. Richard Ludlow (deceased)
1942—F. J. Coughlin, Cincinnati, OH
1943—Arthur E. Grawert (deceased)
1944—Henry P. Montminy (deceased)
1945 & 1946—Carl W. Steinhauer (deceased)
1947—J. H. Debs, Chicago, IL
1948—Tyler R. Stevens, Cape Elizabeth, ME
1949—Glenn E. Hargrave, Shawnee Mission, KS
1950—Charles E. Riley (deceased)
1951—Jack S. Devanny, Lincoln, IL
1952—Len P. Kenney (deceased)
1953—Elmer F. Glabe, Chicago, IL
1954—Jones E. Mapes, Wyckoff, NJ
1955—T. E. Lauder (deceased)
1956—Len Franzen, Chicago, IL
1957—Ray Thelen, San Diego, CA
1958—Clifton R. Scarborough, Shawmut, AL
1959—Lewis P. MacAdams, Dallas, TX
1960—Irwin O. Rohrbach, Reading, PA
1961—James M. Doty, North Kansas City, MO
1962—Harry D. Gardner, Albion, MI
1963—Ralph E. Manewal (deceased)
1964—Lloyd L. Fisher, Sun City Center, FL
1965—Zenas Block, New York, NY
1966—William F. Schroeder (deceased)
1967—Frank R. Schwin (deceased)
1968—Philip W. Orth, Jr., Oak Creek, WI
1969—G. N. Bollenback, Washington, DC
1970—Gerald Reed, Milwaukee, WI
1971—Donald K. Dubois, Manhattan, KS
1972—Herman Saussele, Jr., St. Louis, MO
1973—Richard M. Beaverson, Dallas, TX
1974—Ernest O. Cain, Dallas, TX
1975—Frank E. Johnson, Oak Creek, WI
1976—Lyle C. Woods, Olathe, KS
1977—Armand P. Cicciu, Scotch Plains, NJ
1978—Frank J. Fischer, Kansas City, KS