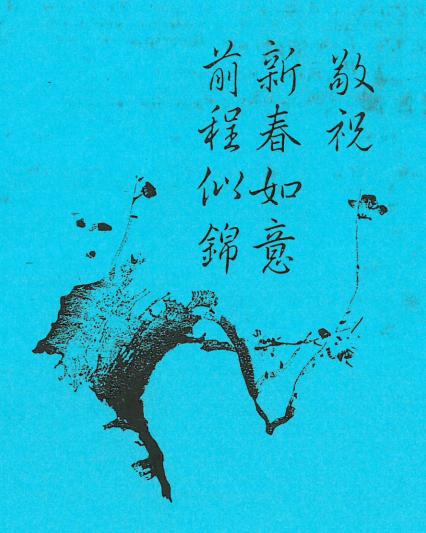
## 華美食品學會 CHINESE AMERICAN FOOD SOCIETY



# NEWSLETTER



VOLUME 13, NUMBER 2



#### 1990-1991 EXECUTIVE COMMITTEE MEMBERS:

1990 1991 ERECOIL				
President:	Yao-wen Huang	(井畑ケ)	(404)	542-2286
President:	Tung C. Lee	( Fact	(201)	
	Christin Chou	(3.不变)	(206)	
Secretary:	Shwu-pyng Chen	(图到奎)	(415)	
Treasurer:	Shwu-pyng Chen	(智教事)	(913)	
Past president:	Daniel Y. Fung	海阳海	(312)	
Members (89-91):	Grace R. Yao	(海路:東)		429-7653
(89-91):	Michael 140	四十元,	(201)	
(90-92):	Chi-tang Ho		(312)	
(90-92):	Shu-chi Lee	(秀秀吉)	(312)	990-7910
OPERATIONAL COMMITT	TEE: (*: Chairpe	rson)		
		, 大連之 .	(2021)	022 0671
Annual Meeting:	Tung C. Lee*	(夸栗庆)	(201)	932-9671
	William Wang	(香粉子)		
	Romeo J. Leu	10.07		
Awards:	Y. Hang*	(驻鬼)	(315)	787-2265
	Jimbay Loh	(樂俊伸)		
	Pei-kung Chang	(防亚纲)		
Bv-Law:	Santa Lin*	(林健さ)	(314)	982-3138
	David Chou	(周鸿思)		
	Peter Wan	(馬劍一)		
Conference Overseas	s:George Chu*	(老七中)	(312)	461-4222
	Peter Wan*	(萬刻一)		
	Iris Lee	(天经拉)		
Employment:	J.G. Keng*	(联第初)	(312)	563-6533
5	Chi-hang Lee	(老其物)		
	Anthony Chen	(难厌的)		
	Yuan K. Liu	(かえも)		
Fund Raising:	James K. Chan*	(醒来! )	(213)	637-9556
Tuna Mararia	Ada Chen	(福港客!		
Long Range Planning	: Cathy Y. Ang*	(主张道、)	(404)	546-3493
Long hange seemen	Daniel Y. Fung	(海野洋)		
	Wai-kit Nip	(記蔵家)		
Nomination/Election		(護路澤)	(913)	532-5654
Nominacion, Electric	Cathy Ang	(重新集)		
Membership/Public	Yen-con Hung*	(淡山南)	(404)	228-7284
Relation:	Y. Albert Hong	12/12/19		
Relacion.	Y. Diana Hao	<i>i</i> . <i>i</i>		
	Nelson Yeh	(英利氏)		
	Mike Chen	(確念千)		
m. 111-11-1	Emil A. Huang*		(612)	481-2688
Publication:	Kow Ching Chang	() () () () () () ()		944-1456
Student Affairs:	Shaw Wang			
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Historian:		修修的	(312)	
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			£ 217-	885-28411 -
Cathy Ang (FRITS	404-546-3493); T.	s. Chen 17414	Te 213-	003 2041);

Cathy Ang (天花, 404-546-3493); T.S. Chen (库角); Tuu-jyi Chai (在女 301-742-4266)

STATEMENT OF POSITION: The Chinese American Food Society (CAFS) is a non-political and nonprofit organization dedicated to the scientific and professional betterment of its members. The members of CAFS wish to interact with all scientists based on common cultural and scientific interests. CAFS takes no political stand or perference. Selection of materials for all CAFS publications is based on the scientific content and general interest. Any inadvertent connotation should not be deemed as the official position of CAFS.

CAFS NEWSLETTER is published quarterly by CAFS for its members. contributions of articles or news should be sent to the editor. Dr. Emil Huang, RT&E, LAND O'LAKES, Inc., P.O. Box 0116, Minneapolis, MN 55440-0116

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賀 馬保之博士榮任 食品工業發展研究所 董事長 劉廷英博士榮任 食品工業發展研究所 所長

華美食品學會 敬賀



馬博士保之先生



劉博士廷英先生

### 徵聘海外學人回國任教東海大學食品科學系

本系已獲教育部核准成立研究所, 其教學研究重點為食品科技及食品工業管理, 為加強食品工業管理之師資, 徵求相關專才, 其條件如下:

#### 一、候選人應具備條件:

- (一) 學位:博士
- (二) 主修:食品工業管理、食品服務系統管理、食品科技並具管理訓練或農業經濟 具食品市場及行銷專長。

### 二、東海將提供的條件:

- (一) 職位:以教育部聘任標準為依據。
- (二) 待遇:比照國立大學。
- (三) 宿舍:免費提供學人宿舍。
- (四) 子女教育:校内設有幼稚園、附屬小學及中學。
- (五) 福利: 具公保及退休制度。
- (六)居住環境:安靜優美、空氣新鮮、交通便捷。
- 三、起聘時間:民國八十年八月一日起聘。

四、聯絡地址:東海大學食品科學系主任王慶富接洽。

台中市中港路三段181號 TEL(公):(04)3590290

食品科學系主任 王 度 富量

#### CONTINUE FOR EXCELLENCE



Message from the president, Yao-wen Huang, 1990-1991

As the Chinese new year begins, I would like to say "Happy New Year" to you and wish you a prosperous year. Time flies. But, what we have done during the half year? I would like to inform you.

In order to have a communication to other Chinese society, last Fall I asked the secretary Dr. Shu-ping Tseng to represent our society to attended an activity sponsored by the North American Engineering Association. We also mail our Newsletter to some other societies. I believe this will help for our publicity and visibility.

For helping to identify the qualified speakers for a seminar held in FIRDI this Winter, we recommended two members from industry to address the refrigerated and frozen new food products. We always provide information regarding member's expertise to the inquires from both members and non-members. Of course, we supported our members' requests too. Recently, we wrote a letter for supporting a member's publication.

This year, we will have a forum again during the IFT Annual Meeting. Program chairman Dr. T.C. Lee has been worked with me closely to identify the topics and panelists. This year's Forum is entitled "Uses of Chinese food in food service industry." Last year, we had a successful Forum, I believe that we will have another excellent one. Recently, the CAFS co-sponsored a special seminar entitled "A taste of Chinese culture" with the Athens Chinese Language School. Cathy Ang and I spoke about the traditional Chinese food. The principal of the Athens Chinese Language School is our member Joe Jen's wife, Salina. The seminar was very successful. It was supported by the Pacific Cultural Foundation.

The proceedings of the 1990 IFT-CAFS Forum, "Traditional Chinese food with advanced technology", is in press. The proceedings will be available soon. Secretary Christin Chou has been working on the new membership directory, she is going to publish a new directory with pictures in it. Hope all of your send a passport picture. Publishing an updated directory is a hard job because of member's changing address with no notice. Please to notify either the secretary or the treasurer anytime when you change your mailing address. Again, we want to have a membership directory with members' pictures. It has been a dream for the Immediate Past President Daniel Fung and myself. Without your hundred percent commitment, it will just be a day dream and never be a true.

Again, I am asking you to nominate qualified members for the 1991 CAFS Professional Achievement Award and Student Scholarship Award. Dr. Yuan Hang, the Award committee chairman is ready to accept any nomination from you. Please help us to have a good one. Other committees such as Long Range Planning, Membership/Public Relation, Nomination/Election are also very active for their duties. Please see their reports in the Newsletter.

Thank you very much! You made the society excellent.

# 食品研究所董事長、馬保之博士對學美食品學会的一個的學堂。

	国家强密的维告, 我相信历科技强展的程度有重大的 闲联。
5	我们政府在科技强展上号绝对的支持, 5客有好的计量)
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	(这会友等面)公园家的政策,人民的帮抗,来协助我们
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	3)建国外的技術、震和们视的合作11岁星星和
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	最少我很希望大家有花念多的回来,到我们的母亲
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	全品互業發展研究所 79.4.50x500
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# 刊會食品工業研究所所長劉廷英博士

有发茶海溪博士接任食研的多長, 金感谢的于是特在百行 中抽空接息。引将面谈经过晚速於后,以发会反参阅

食的工業研究产厂自用义之以来均以对提供我国食品工業業者之服 务为字后、今以我的降将配合国家建设计量一分,最主要的 1王务是扬助团内2菜层次的提界。我仍许引入国际上最好 金最适会打团内好绝的生产技術,经本阶事员研究祭鹿,安 半年文建设即省色些技術轉移民间生產抗構。当然在技统 财务以本产行也,将提供对等者之了川康及轉奪。于定我學了的了 表多,目前在全国大工厂也要属实施的GUP,本丰里政府的计 懂],但全由本所未任事想化,训使及轉車1文,将GMP全数 转移到图内2版中去移行。针约令农本当将发那方面 省展版?我个人希望本学特何下31岁安美等展。 一.鼓励了人提出研究计量,世级是有国基礎科学,走血或

程式的発展、只要星对食品之業有价值的计量、看阿

的主案市推行。

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=. 将本产品必为美国FDA公認(certified)的实验产行。 老州可代替FDA発放公司是一些便量品外銷。除行 学取時间、增加外銷能力外。本阶将塑形中擴大致的的服务範圍,因为我们不但只是不管的主义 服务, 建一步的我的可对其他的2掌也提供服务。

三. 打造大CCRC (Culture Collection and Research Center) 的業务範圍。我希望将表CCRC不但從續提供國内 方面的服务垂将其紧接国际化的能程务国际 面的服务而研究器展,使 CCRC更充实原型强。

四、希望本产行物即亞川東蒙中心中國農業中心对李世界 提供技術合作五能員整協助他的经事食品研究

独员上的一个面上。

最收我希望我们园内外的国价事家,掌意,%多祖不断的交换意见, 金更希望 CAFS的会友的等多为程供技结于一贯訊, 在这方面对于安全重耀文会是来了一年, 我会团他多时面谈, 对控则这些们可实行这烟双又方面对了企金的人工程以实施。

#### LIFE MEMBERS:

5

#### PROFESSIONAL MEMBERS:

Dunn, Danny

17541 Yorba Linda, Yorba Linda, CA 92686

Wang, William C.

1602 Brighton Drive Carrollton, TX 75007

Yong, Nyet V.

1405 Hillmont Ave Modesto, CA 95355

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Chiou, I. Peng

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Huang, Tung-shi

Food Science Building University of Florida

Gainesville, FL 32611

Liu, Ming-Bang

1600 W Plum, #24A

Fort Collins, CO 86521

Yang, Zhaomin

Department of Viticulture and Ecology

UC Davis, CA 96616

TITLE OF IFT-CAFS FORUM: Uses of Chinese Food in Food Service Industry

Challenges and opportunities facing the Chinese food service industry in year 2000 will be addressed. Discussions include how to establish Chinese fast food chains, what factors are involved in using Chinese foods in lunch programs, how governmental food regulations affect the Chinese food service industry, what role R & D has in manufacturing Oriental food for food service, how to implement the total customer satisfaction concept into the fast food industry, what is the future of Taiwan's food industry in the new century, and how Taiwan can face the challenge posed by the invasion of the Western fast food system.

DATE & TIME: June 5, 1991 (Wednesday) 2:00-5:00 p.m.

FORUM SPONSORED BY: Chinese American Food Society and

Chinese Institute of Food Technologists

FORUM CHAIRMEN: Dr. Yao-wen Huang, University of Georgia and

Dr. Tung-ching Lee, Rutgers State University

#### PROPOSED PANELISTS:

Dr. Ada A. Chen, President Food and Agriculture Consulting Technology Corp. Fort Collins, CO 80524

Dr. Mike L. Chen, Group Leader Food Science Group International Trans-Technics Corp. Los Angels, CA 90032

Mr. George C. Chu, Director Quality Assurance American Maize Company Chicago, IL 60604

Dr. Y. Hang, Professor Department of Food Science and Technology Cornell University Geneva, NY 14456

Dr. Romeo J. Leu, Manager Technical Service Minh Food Corp. Pasadena, TX 77508

Dr. Tin-yin Liu, Director Food Industry Research and Development Institute Hsin-Chu, Taiwan, ROC

Mr. Chung-hsin Tsai, General Manager Han-Hwa Chinese Fast Food Corp. Taipei, Taiwan, ROC

#### PROFESSIONAL SCIENTIST AWARD - nomination Chinese American Food Society

Purpose:

To recognize a professional member for his/her outstanding contributions to the field of Food Science and Engineering, as it relates to teaching, research, extension, administration, or leadership in industry.

Please type:	
Name of Nomi	nee: address:
Position:	
v.	
Date of Birth:	
	of the state of papers
Please include	the following information on a separate sheet of paper:
A.	Educational Background (Institution, degrees, year, major and minor fields)
B.	Professional Societies (Offices held, dates)
C.	Professional Activities
D.	Publications
E.	Honors and Awards
F.	Nomination Statement (A one-page description that establishes the nominee's qualifications for the award. Personality characteristics and contribution to other fields are not pertinent. Please confine this statement to one page.)
G.	Submit four (4) copies to:
	Professor Yong D. Hang Dept. of Food Science & Technology Cornell University Geneva, New York 14456

H. Deadline: April 8, 1991

Tel: 315-787-2265 Fax:315-787-2397

#### Student Scholarship Award - Nomination/Application

#### Purpose:

- a. To Stimulate students to engage in food research.
- b. To promote excellence in the application of scientific methods.
- c. To encourage excellence in communication research results.
- d. To develop self-confidence and professionalism in communicating scientific knowledge.

#### Eliqibility:

Competition will be limited to students for members of the CAFS who are undergraduate or graduate students or persons having completed the degree within the past year.

One manuscript may be entered for competition during any one year. A person may enter in competition during succeeding years by presenting new data.

#### Requirements:

The written manuscript will be evaluated on the following:

- (1) Objective, (2) Experimental design, (3) Data interpretation,(4) Clarity of wording, (5) Style and form.

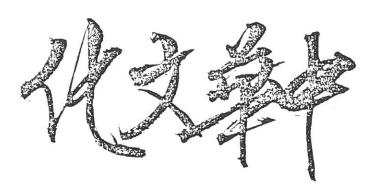
The manuscript must be in he style and form suitable for publication in a journal which has an editorial staff. The contestant shall be the senior author. Titles, abstracts, and four copies of the finished manuscript shall be submitted to the chairman of the Award Committee along with the completed application form by April 8, 1991.

Date of Application		
Legal nameLast		
		Middle
Chinese name		
Mailing address:	-	
Phone number including area code		
Date of Birth		
You will be a candidate for what degree?		*
Major Department		
Major courses taken at current institution (please	se attach your transc	ripts to this application)
Grade Point Average (current institution)		(A=4, B=3, etc.)
Thesis Topic		
State briefly your career goal	-	•
	Mr (1981)	
List names and phone numbers (including are	a codes) of three pe	ersons who are familiar with your pas
academic work and who may be contacted for	further information.	
I certify that the information given on this form	m is complete and tr	ue.
Signature of applicant		
Submit four (4) copies to:		

Professor Yong D. Hang Dept. of Food Science & Technology Cornell University Geneva, New York 14456 Tel: 315-787-2265

Fax:315-787-2397

Deadline: April 8, 1991



# A Taste of Chinese Culture Seminar

### Program:

January 19, 1991 2pm - 5pm, Room 137 Tate Student Center, UGA

2:00 pm Introduction

2:15 pm Traditional Chinese food, their flavor, color and variety.
by Dr. Yao-wen Huang and Dr. Cathy Ang

3:15 pm Unique Chinese music and dance. by Ms. Yunyu Wang

4:15 pm Silk Road and its role in East-west culture Exchange. by Dr. C.H. Tsao

5:00 pm Limited Chinese food for sale (The proceed of the sale goes to the Chinese Language School.)

January 20, 1991 3pm, Room 266, Physical Education Bldg

3:00 pm Demonstration of Chinese painting by Ms. Salina Jen

Sponsored by
Chinese American Food Society
Chinese Student Association, UGA
Dept of Dance, UGA
Athens Chinese Language School

Supported by Pacific Cultural Foundation, R.O.C.

FREE ADMISSION

Advance ticket for food & information call:
Salina Jen 354-4214
Yunyu Wang 542-4432

#### (請張貼)

## 微生物快速及自動化檢測 研 習 會

期:民國80年3月11日~3月15日

點:食品工業發展研究所一服務大樓

講:馮貽澤 博士 (Dr. Daniel Y.C. Fung)

美國堪薩斯州立大學教授

習指導: 呂秋娟 博士 (Dr. Sheree C.C. Lin)

曾任美國漢堡王 (Burger King) 公司

食品檢驗部經理

劃:張長泉 博士 (食品工業發展研究所)

#### 研習會課程(中文講解)

#### 引11日 (星期一)

8:30-9:20	報到、撤費、領取資料
9:20-9:30	開幕式
9:30-10:40	Introduction—Conventional and Minia- turized Microbiological Methods Dr. Daniel Y.C. Fung
0:40-11:00	Coffee and Tea Break
1:00-12:30	Comparative Analysis of Diagnostic Methodology Dr. Daniel Y.C. Fung
2:30-13:30	Lunch
3:30—15:00	Current Development and Application of Viable Cell Count Methods Dr. Daniel Y.C. Fung and Dr. Sheree C.C. Lin
5:00-17:00	Workshop-Inoculation of Culture to Conventional and Miniaturized Systems Dr. Sheree C.C. Lin and Dr. Daniel
	Y.C. Fung

3月12日(基	星期二)
9:00-10:30	Up-date of Instrumentation and Automatio Dr. Daniel Y.C. Fung
10:30-11:00	Coffee and Tea Break
11:00-12:30	Rapid Detection of Emerging Pathogens by Novel Methods Dr. Daniel Y.C. Fung
12:30-13:30	Lunch
13:30-15:00	DNA Probe and Related New Methods Daniel Y.C. Fung
End of Symposi	ium
15:00-17:00	Workshop-Rapid Viable Cell Count Methods-Redigel, Petrifilm, Isogrid. Reading of Results of Monday's Experiment Drs. Daniel Y.C. Fung and Sheree C.C. Lin
3月13日(基	星期三)
9:00-10:30	Discussion and Inoculation into Vitek Syste: Mr. Jim Ellis
10:30-11:00	Coffee and Tea Break
11:00-12:30	Bactometer Discussion and Inoculation Mr. Jim Ellis
12:30-13:30	Lunch
13:30-15:00	Spiral System Discussion and Inoculation Mr. Peter Pratt
15:00-17:00	Read Viable Cell Count Data and Perform Diagnostic Kit Tests (API, Enterotube, Spectrum 10, MicroID) Drs. Daniel Y.C. Fung and Sheree C.C. Lin

#### 3月14日 (星期四)

12:30-15:00

9:00-10:30	Probe, ELISA Test and Biocontrol
10:30-11:00	Coffee and Tea Break
11:00-12:30	Read Reactions of Wednesday's Tests

13:30-15:00 Malthus Demonstration and Discussion

Lunch

15:00-17:00 Lumac, ATP, Catalase Tests, Reduction Test

#### 3月19日(星期五)

9:00-10:30

Rapid Toxin Tests. Latex Bead Technology

10:30-11:00

Coffee and Tea Break

11:00-12:30

Aflatoxin Tests

2:30-13:30

Lunch

3:30-15:00

Collection of Data and Group Discussion

6:00

Presentation of Certificates

7:00

Workshop Adjourn

#### 參加辦法

研 智 別:研習別分爲兩種

A.全 程 研 智(包括研討及實驗)。

B. 只参加研討部份。

研習日期: A.全 程 研 智:3月11日至3月15日

 $(9:00\sim17:00)$ 

B.只参加研討部份:3月11日及12日

 $(9:00\sim15:00)$ 

名 額:A.全 程 研 智:30 名

B. 只参加研討部份: 80 名

研習地點:食品工業發展研究所(服務大樓四樓)

新竹市食品路331號

**芦** 用:A.全 程 研 智:3000 元

(含午餐) B.只参加研討部份:1000 元

**爆名:即日起用所附報名表逕向本所訓練單元報名** 

限名截止日期:民國80年2月15日

※由於場地限制參加全程研習人數看限30名·本所

將依報名先後次序及需要性甄選決定參加人員。

《報名後本所將於3月1日左右另面通知報到事宜。

《食宿及交通:研習會期間供應午餐,住宿交通讚

自理。

K治詢專線: TEL-(035)223191韓231或269

FAX-(035)214016 (訓練單元)

## 微生物快速及自動化檢測 研 習 會

#### 報 名 表

姓	名:					
出	生:	_	年		月	В
服務	<b>发展:</b>					
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研習 (請於				程研習	107.00	驗)

※本表請於80年2月15日前逕寄 食品工業發展研究所 訓練單元

※本表限登名報名,如有兩名以上參加者請自行影 即本報名表。



# Rapid Methods and Automation in Microbiology

#### Workshop Purpose

Rapid methods and automation is a dynamic area in applied microbiology dealing with the study of improved methods in the isolation, early detection, characterization, and enumeration of microorganisms and their products in ciinical, food, industrial, and environmental samples. This workshop, "Rapid Methods and Automation in Microbiology," will focus on the practical application of conventional and new commercial systems of rapid identification of microorganisms from medical specimens, foods, water, and the environment. Workshop participants will receive eight days of intensive theoretical and hands-on training in microbiological automation under the direction of **Dr. Daniel Y.C. Fung**, an internationally known authority in the field.

A special 2-day mini-symposium will be offered as an integral part of the workshop. Workshop participants must attend both the symposium and the workshop. Some individuals may opt to attend the symposium only.

#### Designed for

- Microbiologists
- Food Scientists
- Medical Technologists
- Consultants
- Quality Assurance and Control Managers
- Laboratory Directors
- Researchers

#### **Workshop Director**



Dr. Daniel Y.C. Fung is Professor of Food Science in the department of Animal Sciences and Industry at Kansas State University. He has gained an international reputation as a lecturer on rapid methods and automation in microbiology at symposia in Sweden, Germany, Great

Britain, France, Czechoslovakia, Washington, D.C., Canada, Italy, Republic of China, Singapore, Finland (1990), and the United States. He has about 300 publications in journals, books, and proceedings, and is the recipient of the **Faculty Service Award** given by the U.S. National University Continuing Education Association because of the uniqueness of this workshop series. He is the coeditor of the book *Anaerobic Fermentation* (Marcel Dekker, Inc., 1988) and *Instrumental Methods for Quality Assurance and Research in Foods* (Marcel Dekker, Inc., 1991). He made a round-the-world lecture tour in the Fall of 1988. He is chairman of the Food Microbiology Division of ASM, and Fellow of the American Academy of Microbiology.

#### **Visiting Professors**



**Dr. Nelson A. Cox**, a research microbiologist with the United States Department of Agriculture, holds an adjunct professorship in the Poultry Science Department at the University of Georgia. He is a well-known **poultry microbiologist** and has published extensively in the field of food

microbiology and diagnostic kits for food microbiology. He has over 250 publications in journals and abstracts and is coeditor of the book *The Microbiology of Poultry Meat Products* (Academic Press, 1987).



**Dr. Millicent C. Goldschmidt**, professor of the Dental Branch, Dental Science Institute, at the University of Texas Health Science Center in Houston, has authored more than 160 publications. Her particular expertise in microbiological instrumentation led her to be recognized as an

Outstanding Woman in Science in 1985–1986, by the Association for Women in Science. A Fellow of the American Academy of Microbiology, she presented several papers at international meetings recently.

#### **Guest Lecturers**



**Dr. J. Stanley Balley**, research microbiologist with the United States Department of Agriculture, works extensively with poultry microbiology and diagnostic kits and systems. He has about 200 publications to his credit and has received a **U.S.D.A. citation** for excellence in rapid

methods and automation in microbiology.

Reginald Bennett, P.C. Vasavada, Cecile Lahellec, and Paul A. Hartman have been guest lecturers in recent years.

#### **Previous Participants**

Participants in 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, and 1990 workshops came from more than 40 states in the United States, Algeria, Argentina, Australia, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Great Britian, Guatemala, Honduras, Hong Kong, Iceland, Iraq, Iran, Japan, Mexico, The Netherlands, New Zealand; Norway, Republic of China, Saudi Arabia, Singapore, and Spain.

Workshop Agenda\*

Thursday

July 11, 1991 \*\*

Registration at 1:30 p.m.

Food Microbiology Seminar at 2:30 p.m.

"Origin of *Salmonella enteritidis* in Poultry and Eggs" Dr. Gilles Salvat, Ploufragen, France

Keynote lecture: Dr. Paul A. Hartman

"Rapid Methods in Water and Environmental Samples"

Friday July 12, 1991 \*\*

Morning Lecture: Introduction to conventional and miniaturized methods (Dr. Daniel Y.C. Fung)
Afternoon Laboratory: Viable Cell Counts—
Conventional, Petrifilm, Redigel, DEFT, Catalasemeter

Saturday July 13, 1991

Morning Lecture: Comparative Analysis of Diagnostic

Kits (Dr. N.A. Cox and Dr. J.S. Bailey)

Afternoon Laboratory: API, MicroID, Enterotube,

Minitek Spectrum 10, IDS, Biolog

Sunday July 14, 1991

Morning Lecture: Salmonella and Listeria detection— Conventional vs. Rapid Methods (Cox and Bailey)

Afternoon Laboratory: ELISA (Organon Teknika), DNA Probe (Genetrak), Biocontrol, Tecra (Vitek), Report (3M)

Monday July 15, 1991

**Morning Lecture:** Mechanization, New approaches, Sophisticated light scattering detection systems, Impe-

dance, Conductance (Dr. M.C. Goldschmidt) **Afternoon Laboratory:** Artek Systems, Isogrid,

Malthus, Spiral Plate

Tuesday July 16, 1991

Morning Lecture: Radiometry, Microcalorimetry, ATP

detection (Goldschmidt)

Afternoon Laboratory: Vitek Systems, Bactomatic,

Lumac, Omnispec

Wednesday July 17, 1991

Morning Lecture: Emerging Pathogens—

Campylobacter, Yersinia, Hemorrhagic E. coli, etc. |Cox

and Bailey)

**Afternoon Laboratory:** Detection of emerging pathogens. Conventional vs. rapid methods. MUG, Motility enrichments, Polymerase Chain Reaction

Thursday July 18, 1991

**Morning Lecture and Laboratory:** Rapid detection of microbial toxins (Reginald Bennett) Oxoid, Aflatest A look into the future, presentation of certificates **Noon:** Departure

\*The participation of commercial companies is in the negotiation state.

\*\*A mini-symposium occurs on July 11 and July 12.

#### Location

The Rapid Methods and Automation in Microbiology Symposium Workshop will be held at the Holidome in Manhattan, Kansas, and Call Hall on the Kansas State University campus. Manhattan has an airport served by U.S. Air-Air Midwest. The city is approximately 130 miles west of Kansas City on Interstate Highway 70, a drive of about two and one-half hours.

#### Social Activities

Welcome and farewell receptions, one lunch, two banquets, and a midweek picnic are planned. Informal, optional dinner meetings will be arranged. Spouses are welcome. Due to hot weather, casual dress during the workshop is recommended.

#### Graduate Student Fellowships

Fellowships, including tuition, room, and board, may be awarded to highly qualified degree-seeking graduate students to participate in the workshop as special assistants. Contact Dr. Fung for details.

1987 Fellows: Marilyn Hattier

Kathy Richter

1988 Fellows: Margie Lee

Kim Payne Elliot Ryser

1989 Fellows: Hassan Gourama

Adela Aguirre

1990 Fellows: Elaine Berry

Distinguished Fellows

1990: Dr. Stephanie Doores Dr. Leroy Blankenship

Special Scientists

1988: Frank Borius 1989: Merja Manninen

#### American Society for Microbiology Certification

Participants will receive 5.25 ASM Continuing Education units to be granted upon successful completion of the workshop.

#### Notice of Nondiscrimination

Kansas State University is committed to a policy of nondiscrimination on the basis of race, sex. national origin, handicap, religion, age, sexual preference, or other nonment reasons, in admissions, educational programs or activities, and employment, all as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries, including those concerning Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, has been delegated to Jane D. Rowlett, Ph.D., Director, Aftirmative Action Office, 214 Anderson Hall, Kansas State University, Manhattan, Kansas 66506–0104, [913/532-6220]

#### Workshop Fees

The registration fee for the 1991 Rapid Methods and Automation in Microbiology Workshop is \$1,055 (includes the mini-symposium). This includes two hours of graduate credit. eight days of program sessions and laboratories, all handout materials, and 5.25 American Society for Microbiology Continuing Education units. Also included are two banquets, one lunch, a picnic, and receptions. Other meals, lodging, and transportation are not included.

Payment must be in U.S. dollars or by World Wide Money Order.

#### Mini-Symposium Fees

The registration fee for the Mini-Symposium of July 11 and July 12 is \$150. The fee includes all sessions, handouts, coffee breaks, one lunch, Symposium banquet, and a reception.

#### Registration Information

The workshop registration fee, less a \$30 handling charge, will be cheerfully refunded if notice is received on or before June 24, 1991. Thereafter, a 75 percent refund will be made. If you have questions concerning the workshop scientific content or format, contact Dr. Daniel Y.C. Fung at Tel: (913) 532-5654 or FAX: (913) 532-5681.

Questions concerning registration or general information should be directed to the Rapid Methods and Automation in Microbiology Conference Coordinator at 1-800-255-2757 (outside Kansas) or (913) 532-5575 (in Kansas or outside the U.S.).

You may **FAX** your registration to us at **(913) 532-5637** anytime, day or night.

#### Accommodations

A block of rooms has been set aside for workshop participants at the Manhattan Holiday Inn/Holidome, 530 Richards Drive. Please refer to the workshop when making reservations directly with the Holiday Inn/Holidome at (913) 539-5311. The rate for a single or double room is \$.52 plus tax per night. Please make reservations before June 26, 1991, to receive the reduced rate.

Student residence hall facilities featuring single rooms with bathroom facilities on each corridor are also available for workshop participants. If you would like a reservation for residence hall accommodations, please call [913] 532-5575, before June 24, 1991.

#### Limited Enrollment

Enrollment in the Workshop is limited. Please return the registration form or FAX, or telephone your registration as soon as possible to guarantee your enrollment. There is no enrollment limit for the mini-symposium (July 11 and 12, 1991).

Rapid Methods and Automation

in Microbiology

cut and mail

July 11–18, 1991 Kansas State University

Registration Form		
Name (as you wish it to appear on certificate)	_	
Job Title (Please be specific)	_	
Company		
Address	-	
City, State, ZIP Code, Country	_	
Telephone ()FAX ()		

Workshop registration fee of \$1,055 (includes the mini-symposium) (July 11–18, 1991) Mini-Symposium registration fee of \$150 (July 11–12, 1991)
Check (payable to Kansas State University)
Invoice my company at the address on form Charge to
Print Cardholder's Name
Cardholder's Signature

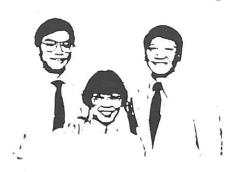
To register by telephone, call **(913) 532-5566** and ask for conference registration. Or FAX your registration to us at **(913) 532-5637**.

**Expiration Date** 

#### Return this form to:

Card Number

Rapid Methods and Automation in Microbiology Division of Continuing Education Kansas State University College Court Building Manhattan, KS 66506–6015



#### GREETINGS FROM THE FUNGS:

1990 has been an ENERGETIC YEAR!!

Catherine

1. passed all four preliminary exams statistics, professional development, adult education, and self-perception psychology)

2. played on Steinways Third Artcase (500,000 )
grand piano, nous on tour in Europe.

Pirst actease (100,000 in at Smithsonian
second artease (300,000 in) at Whitehouse

3. celebrated the beginning of the Third Season of the T.V. show (still on every Thes. and web. for 30 mins.)

Busy with Ph.D. research. Target in 1991: Dr. Catherine L. Pung ! Pulsar NX still going strong Francis just turned handsome 17. Straight "A" Senior at KSU, majoring in Math and Physics.

Presented his second paper and won the best paper award at the Joint Math Meeting. Appointed NSF-REU Fellow and spent 2 months at the University of Oklahoma in Math. Finalist in the Barry Goldwater Fellowship competition (\$14,000 stipend).

BUDAPEST SPMESTERS IN MATHEMATICS—Will travel to Hungary to study Math with some of the world's leading mathematicans for 5 months in Spring, 1991.

Catherine and Daniel plan to visit him sometime in Europe.

GOOD FRIENDS IN EUROPE, PLEASE WATCH OUT, THE FUNGS MAY COME TO DINNER!!

President of the Pi Mu Epsilon Chapter and Vice president of the Math club.

Growing fast physically and especially mentally.

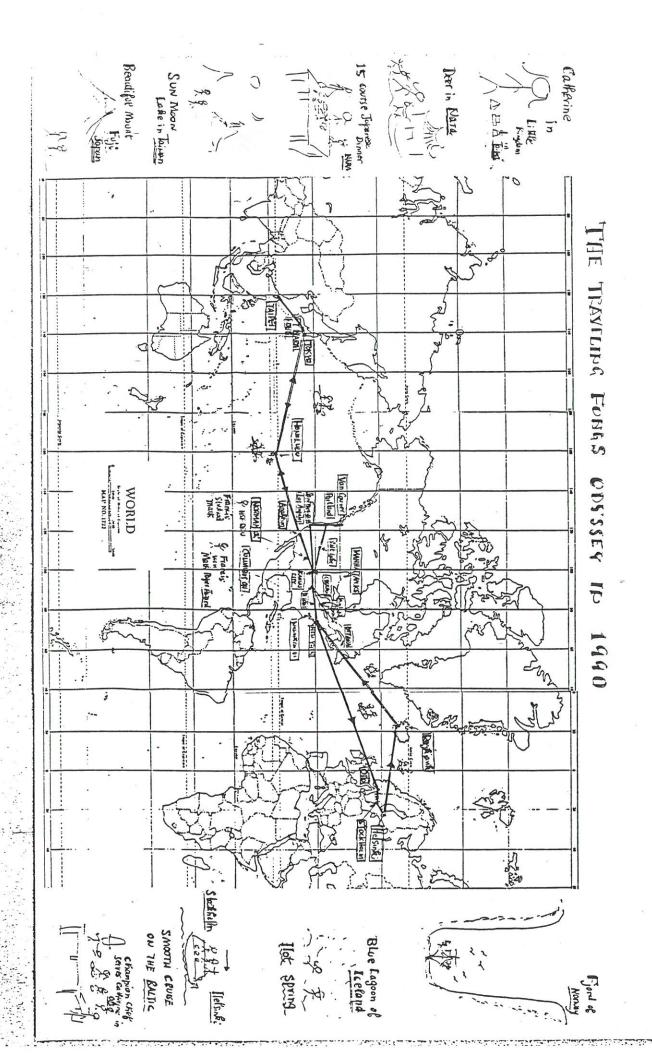
Daniel took many trips this year. Besides the ones with Catherine he went to Van Couver, Toronto, Ottawa, Windsow, Portland, St. Louis, Washington, D.C., N.Y., etc. for professional meetings and visited relatives, especially sister Yvette and cousins in Canada.

Deeply saddoned by the loss of his beloved aunt and benefactor Dr. Marie Fung, M.D., a decorated ophthalmologist (Hong Kong) in Ottawa, Canada.

His second book "Instrumental Methods for Quality Assurance in Foods", to be published by Marcel Dekker, Inc., will appear in April, 1991. Very busy with 15 Ph.D. and M.S. students. He has now about 300 publications. In academia "Publish or Perish", no kidding!!

Celebrated the 10th anniversary of his Rapid Methods and Automation in Microbiology workshop in July. A super success.

Active in Church and Lions Club.



#### Special Announcement Concerning the New Journal of Rapid Methods and Automation in Microbiology

Daniel Y.C. Fung has been invited to be a guest editor for two issues of the <u>Journal of Food Safety</u> with a sub-title of <u>Rapid Methods and Automation in Microbiology</u> in 1991. After the first two successful issues, the journal will be formally named the <u>Journal of Rapid Methods and Automation in Microbiology</u>.

The first issue will probably be published in July, 1991. Following are some articles in the process of review:

- History and Future of Rapid Methods and Automation in Microbiology
- A rapid and novel <u>Listeria</u> detection method (for a patent-pending procedure).
- ♦ A new direct rapid <u>Salmonella</u> detection method.
- Practical evaluation of the Spiral System and Laser Method.
- ♦ Omnispec 4000 evaluation and use.
- ♦ Gravimetric dilutor study.
- Practical application of Fung's double-tube method for Clostridium perfringens.
- etc.

The future of the journal depends on great papers from colleagues. Fung is actively requesting papers related to rapid isolation detection, enumeration, and identification of microorganisms (by microbiological, chemical, biochemical, biophysical, immunological, serological, etc. methods) in food, water, industrial and environmental samples.

There will be no page charge for the publication of your peer reviewed research papers.

#### Great news:

Fung has negotiated a great deal with Food and Nutrition Press, Inc. (publisher of the new journal) for subscriptions of the journal. For our Workshop participants the rate for one volume of the Journal is only \$40.00, about a 50% discount!! If you are interested in subscribing to this journal please return the survey (no commitment to subscribe).

#### **SURVEY**

I MIGHT like to subscribe to the new	Journal of Rapid Methods and	Automation in Microbiology
(No obligation at this point at all.)		

(No obligation at the	nis point at all.)		
Name:		Class of _	
Address:		<u> </u>	
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Telephone: (	)		
FAX:	)		
Please mail this to:	Daniel Y. C. Fung Kansas State Univer Call Hall, 207 Manhattan, KS 665		
SEMINAR (	ON "NEW PRODUCT DEVE	LOPMENT IN FOOD IND	USTRY" =
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Foods" -	Dr. Yictor Huang (Pi on - Chairman: Mr. Ch	11sbury Co.)	

# a ATA MEATBER Feb 3 1991 Sunday

WHAT NEW ?

The Manhattan Mercury

KANSAS

A paper by Francis Fung, a se-

nior in physics and mathematics

at Kansas State University, was

chosen one of the five best stu-

dent papers presented at the na-

tional meeting of Pi Mu Epsilon,

# K-Stater earns national honors

Lee joins OSU as chair of new food science faculty

Ken Lee, formerly professor at the University of Wisconsin, Madison, has joined The Ohio State University

as professor and chairman of the newly formed Department of Food Science and Technology.

Lee, who was at Wisconsin for the last ten years, chaired a \$6 million building program for the new food science facil-



ity in Madison, expected to be completed this year. He also was chairman of the Technical Advisory for the Wisconsin Center for Dairy Research. He maintained an active research program in mineral nutrients and taught food science to more than 1,500 undergraduates each year via cable and broadcast television, winning an award for teaching

He received his B.S. in food science from Rutgers University in 1975, and his Ph.D. from the University of Massachusetts in 1980. A Professional Member of IFT, Lee currently serves as chairman of the Institute's Long-Range Planning Group. In addition, he was recently elected to IFT's Committee on Nominations and Elections, is an IFT Councilor, and has served as a Regional Communicator for ten years.

Heisthis year's Trout Visiting Scholar Speaker at Michigan State University, was keynote speaker at the AHI meeting in New Orleans, and on October 11 was an invited lecturer on risk communica-tion in The Hague, The Netherlands.

Food science faculty at Ohio State formerly resided in several departments, but in October 1989 a single department was formed to bring together the diverse elements of food science and to form a high stature food science program. The total effort of the resulting new Food Science and Technology Department includes Lee's appointment as chairman, a new facility, new faculty positions, additional technicians, and two endowed chair positions—one to be filled and one recently awarded to IFT Professional Member Charles Morr.

Huang joins agricultural engineering faculty at KSU

Chi-Tai Huang has recently joined the faculty of Kansas State University, Manhattan, Kan., as an assistant professor in the Department of Agricultural Engi-

He received his B.S. in mechanical engineering and an M.S. in food technology in Taiwan, Republic of China, then earned a second M.S. and his Ph.D. in food engineering at the University of Massachusetts, Amherst. He spent a year as a postdoctoral research associate at the University of Massachusetts, then was a member of the Nabisco Company's extrusion research group for approximately two years.

Huang is a member of IFT, SPE, and AIChE. His research will be in the area of extrusion, physical properties of biological materials, and baking-related operations. He will teach courses in food processing engineering, physical properties of foods, and food plant design.

the national honorary mathematics society. Fung has received a \$100 cash award from the American Mathematical Society. The paper, "The Game-Theoretic Analysis of Superior Beings," focuses on the probability of intelligent life throughout the universe. Additionally, he is one of 32 students chosen nationally to participate in a mathematics program this semester in Budapest, Hungary.

Fung is taking mathematics and Hungarian language courses taught by faculty of Eotvos University and the Mathematical Institute of the Hungarian Academy of Sciences in Budapest. The mathematics courses are taught in English, and the faculty have had experience teaching in U.S. or Canadian universities. Many cultural opportunities are available to student participants.

The Budapest Semesters in Mathematics Program is offered through St. Olaf College, Northfield, Minn. Hungary has long been noted for the prominence of its mathematicians.

Fung. 17. is the son of Daniel Y.C. and Catherine Lee Fung, Manhattan.



"I'm worried. She says my raise is on the back burner. At home our back burner hasn't been touched in

#### Excellence in Food Science at KSU

Kansas State University recently celebrated the "Excellence in Food Science" program on the occasion of the installation of the new Food Science Graduate Program Chair, Len Harbers and Undergraduate Program Chair, Melvin Hunt in a day-long program in conjunction with the Kansas 'City IFT meeting as well as the KSU Food Science Seminar Series.

The day started with a tour of the internationally renowned American Institute of Baking and the recently renovated KSU Weber Hall (meat science laboratory). The Seminar speaker was the immediate past president of IFT, Paul Hopper who enlightened the 100 plus attenders on the subject "Health Claims--A Scientific and Business Dilemma". The day ended with a whole hog roast picnic hosted by the Food Science Club. Chair of the celebration was Daniel Y.C. Fung, a professional member of IFT and immediate past president of CAFS.

梅雪松

成歸國貢獻智慧,引進 留學生學

截至本 (七十九)年六月止,總共協助 場趨勢, 新知新技,不但有輔助政府發展高科技 之基本資料及就業趨勢作一簡略的分析 人數正持續增加中,本年上半年已有一 二一、〇一六人回國服務,而每年回國 國服務業務以來,不斷因應高級人力市 會自民國六十年七月接辦輔導留學生回 工業,也爲國家建設奠定深厚基礎。本 、三七七人回國,較去年同期增加二五 八。本文謹將近半年來回國服務留學生 給您作爲回國就業時之參考 二六%,全年預估回國人數將逾三千 並說明本會當前輔導的工作重點,提 致力開拓留學生之就業機會,

# 、基本資料分析

本會協助回國服務,茲將他們的學歷狀 七十九年上半年計有一、三七七人經

説は、は、

業九八人,占七.一七%。 關一五四人,占一一・一八%,公營事 構一六六人,占一二・○五%,政府機 校任教者緊次於後,計有三三五人,占 三三八人,占二四・五四%,在大專院 二四‧三二%,其餘依序分別是研究機 其餘以在民營企業任職者最多,計有 創業或由本會安排短期研究工作外 數二〇・七六%係自行就業、 留學生中除有二八六人占總

等十餘個國家,共四四人,占三・二 六%,其餘爲英、德、法、泰、韓…… 九六%;農科一九人,占一,三八%。 科九三人,占六。七五%;法科四六人 高,其次是日本一〇〇人,占七・二 有四九八人,占三六 · 一七%。其次爲 三三人,占總人數八九・五四%比率最 ,占三・三四%;醫科二七人,占一・ 依序爲文科一四○人,占一○・一七% ;教育科一三七人,占九・九五%;理 工科四一七人,占三〇・二八%。其餘 四、留學國別:以留學美國者一、二 三、專長類科:以商科的人數較多,

況、任職機構、專長類科及留學國別

七人中,以具碩士學位者最多 爲研究但未獲學位者有四人 ,占〇·二九%。 人,占一〇・〇二%;其餘 、數八九%;博士有一三八 計有一、二三五人,占總

貳、任職機構:

校一九・三五%,公營事業一・七三% 其餘爲政府機關二三・二二%,各級學 企業求才比率最高,占五五・七○%。 三、所需專長:以商科需求比率偏高

八七%,美藝科一、七三%,海洋科〇 三四%,教育科二・二〇%,農科一・ 一 · 九五% · 理科七 · 三四% · 文科四 八七%。 九四%,法科四・〇七%,醫科三・ 占四一·六九%,其餘依次爲工科三

# 叁、綜合分析

生就業措施影響以及國內工作待遇及研 究環境日趨合理,使得留學生返國人數 快速增加;同時受到美國限制外國留學 國人出國留學意願趨强,致使出國人數 鑑於國內教育普及,國民所得提高, 一、學歷狀況:在一、三七 漬、 國內就業機會分析

需專長作一分析: 將近半年來本會所蒐集到一、四九九個 就業機會依其所需學位、機構類別及所 生蒐集各類就業機會以供參考聯繫;茲 本會經由各種資訊管道,積極爲留學

機會中,以需碩士學位者所占比率最高 四 · 〇二%。 達七四‧七八%,需博士學位者則占 一、所需學位:在一、四九九個就業

二、機構類別:依統計,以來自民營

必然結果 可得知,當前民營企業需求商科及工科 出人才供需消長之顯著關係,惟從中也 本會蒐集的就業機會不一定能準確反映 力需求的數量,亦不斷成長當中。雖 人才甚殷,這是國內工商業蓬勃發展的 亦逐年增加。而國內就業市場對高級

# 肆、當前工作重

取若干擴大該類資訊流通的措施, 較重要的有: 本會在協助留學生回國服務上,也採 爲因應國內就業市場供需狀況之變遷 其中

本會亦隨時將該項資料提供其作爲選用 延攬;此外,任何機構倘若登記求才, 民營企業,計五千餘個單位,以資直接 報每月發行一次,寄送國內各大專院校 國內外碩士以上人才通報」刊登,該通 料後,立即鍵入電腦,並在最近一期「 人才之參考。 每一系所、政府機關、最具規模之公、 一、本會接到留學生申請回國服務資

可能之就業機會。 讓其瞭解國內就業市場情形,並供聯繫 月內,按月寄送國內各機構求才資訊, 二、對留學生則於其提出申請起三個

多加利用。(本文作者現任青輔會第三 就業機會分析外,也另將若干中、長期 處編審) 駐外機構、學術聯誼團體及同學會,請 求才之機會,編印成册,按季寄送我國 三、本會除在海外中心簡訊報導國內

#### A NEW FOOD SCIENCE BOOK

Fung, D.Y.C. and R.F. Matthews, Eds. 1991.

Instrumental Methods for Quality Assurance of Foods.

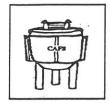
Marcel Dekker, Inc. Scheduled to be complete in April, 1991.

- Rapid Methods and Automation for Food Microbiology Chapter 1. Daniel Y.C. Fung Chapter 2. Ion Chromatography for the Food Industry Maurice R. Marshall, Ronald H. Schmidt and Bridget L. Walker Gas Chromatography and Mass Spectrometry in Quality Control and Research Chapter 3. Gary A. Reineccius pH and Ion Selective Electrode Chapter 4. John Comer Chapter 5. Modern Methods of Analyzing Mycotoxins in Foods William G. Ikins Chapter 6. Metal Detection Systems Alfred K. Frei Chapter 7. Machine Vision for Quality Control in the Food Industry N. Ronnie Sarkar Color Measurement and Interpretation Chapter 8. Frederick J. Francis Chapter 9. Viscosity Measurements in Foods Malcolm Bourne and A. Rao Chapter 10. Laboratory Robotics and Automation W. Jeffrey Hurst Computer-aided Quality Control and Research in Thermal Chapter 11. Processing of Canned Foods Arthur A. Teixeira
- A "Book signing" reception will occur at the National Institute of Food Technologists Meeting on June 3, 1991, Dallas, TX. Contact Fung [(913) 532-5654] concerning this free gala gathering.

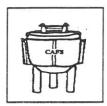
Pattern Recognition Techniques for Food Research and Quality Assurance

Chapter 12.

Ike J. Jeon



#### 華 美 食 品 學 會 CHINESE AMERICAN FOOD SOCIETY



**MEMBER** (ACTIVE): Any person who resides in the USA or Canada, with close relation to Chinese culture, and holds a bachelor's degree or its equivalent in a field related to food science or technology or is actively engaged in food technology related professions for at least 3 years. An active Member shall have all rights and privileges of this Society.

**STUDENT MEMBER**: Any student who is enrolled in an institution of higher learning in the USA or Canada and is pursuing programs of study in or closely related to food science or an allied field. Student Members shall have all the rights and privileges of this Society except that they shall not vote or hold office.

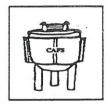
ASSOCIATE MEMBER: Any person who is interested in food science and technology but not classified as an Active Member or Student Member. Associate Members shall have all the rights and privileges of this Society except that they shall not vote or hold office.

**LIFE MEMBER**: Any active Member in good standing and has submitted an application for the Life Membership with the approval of the Executive Committee. Life Members shall have all rights and privileges of this Society.

**SUSTAINING MEMBER**: Any person or organization who financially supports the Society's operation. The sustaining membership entitles the individual or organization to designate one representative who will be given individual membership (active or associate member), a Certificate of Sustaining Membership and recognition in the Society's publications.



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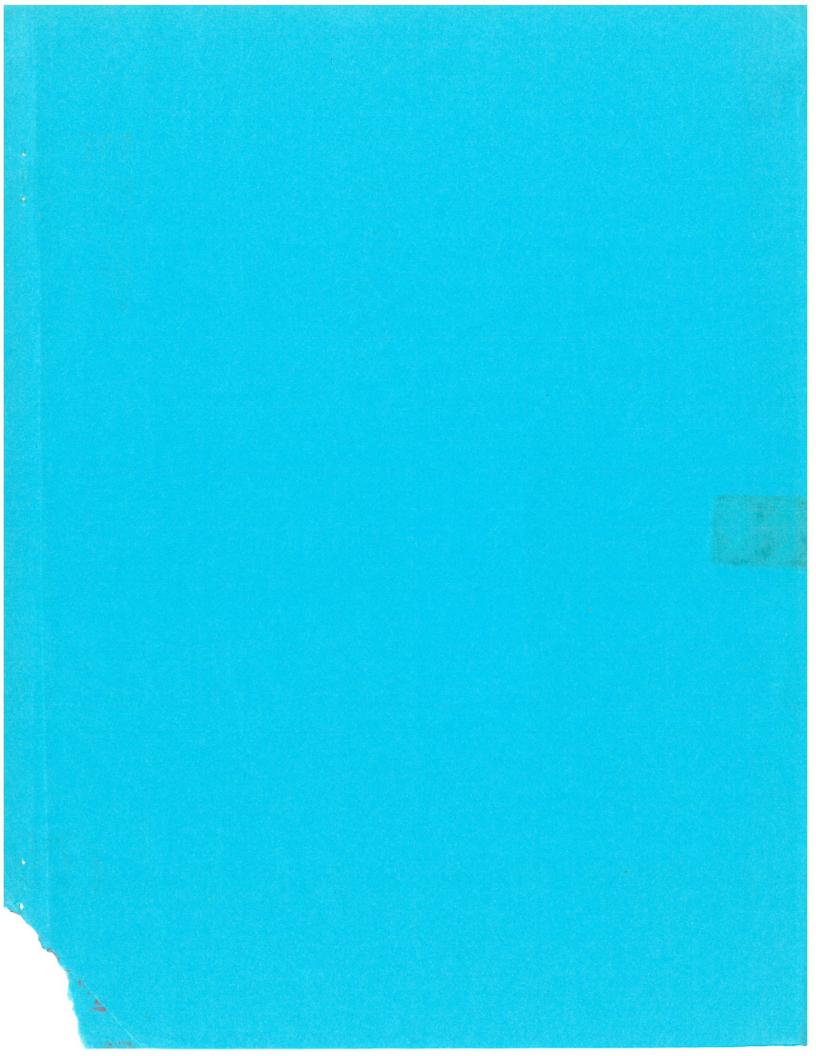


#### **MEMBERSHIP APPLICATION**

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(Individual Member or Representative of Sustaining Member, as you wish it to appear on certificate
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Certification (for student membership) that applicant is a student
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