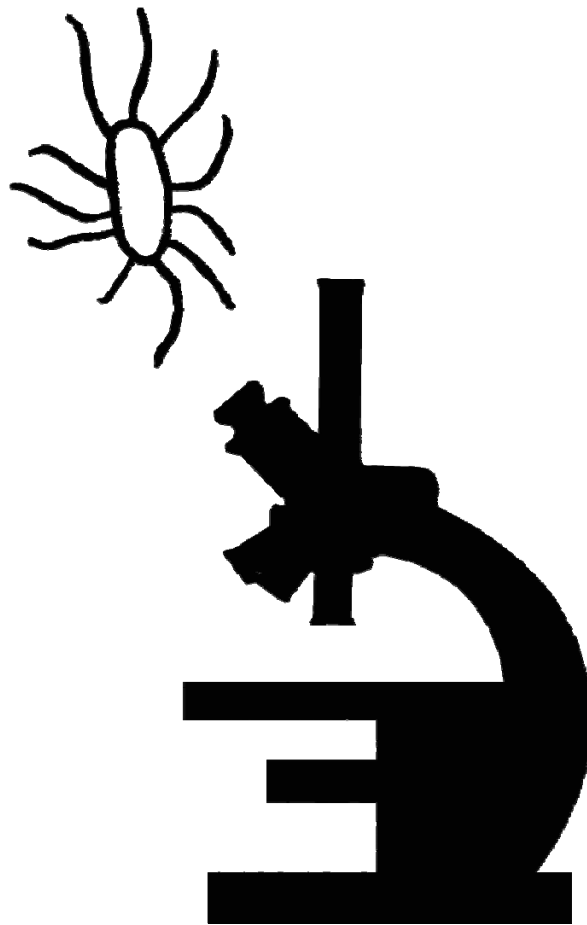


**Memories of the Kansas State University
Rapid Methods and Automation in Microbiology
Workshop 1980 to 2010**

Manhattan, Kansas, USA



Catherine & Daniel Fung, Hosts of the Workshop Series

Marta Capellas & Josep Yuste, Editors

Director of the Workshop:
Daniel Y. C. Fung, Ph.D.
Professor of Food Science
and Animal Sciences and Industry
1980 to 2010

Hostess of the Workshop:
Catherine L. Fung, Ph.D.
Manhattan, Kansas TV Hostess
and Consultant of Life-Long Learning
1980 to 2010

Edited and produced in 2012 by:

* Marta Capellas Puig, Ph.D. (Assistant Professor of Food Science and Technology),
Universitat Autònoma de Barcelona, Spain. Workshop Class of 2005.

* Josep Yuste Puigvert, Ph.D. (Associate Professor of Food Science and
Technology), *Universitat Autònoma de Barcelona*, Spain. Workshop Class of 2000,
2005, and 2010.

* Alicia Subires Orenes (Graduate Student in Food Science Ph.D. Programme),
Universitat Autònoma de Barcelona, Spain. Workshop Class of 2010.

August 15, 2011

Dear Participants, Speakers, Friends from the Industry and Academia, Professors and Students and also significant others and family members who came to the Kansas State University International Rapid Methods and Automation in Microbiology Workshop 1980 to 2010:

Greetings. As you know by now the KSU International Workshop on Rapid Methods and Automation in Microbiology 1980 to 2010 has said farewell to the many wonderful colleagues and friends through the years who came to the Little Apple to be with us for weeklong educational activities in microbiology. Along with participants there were quite a few husbands, wives, significant others, children, and even dogs and cats who came to the workshop to join in the fun.

They were an important part of our total program as well. In the earlier years of our program we had the opening reception in our home at 607 Houston Street, Manhattan, Kansas. At times there were a couple of hundred people in the reception with great interactions with newly made friends. Catherine and I served up international dishes for all to enjoy. We even had a whole hog roast in our backyard and endless flow of beverages of all kinds for all ages.

Catherine, the official hostess, and I even entertained our guests with piano music by playing solos and on occasion by playing duets on our two Steinway pianos. Once in a while we even had sing-a-longs. It is amazing to me that the police never once came to see what was going on as we live in downtown Manhattan and made a lot of noise that night!! I think conference staff informed the police that we were a well behaved bunch and no need to worry!!

The picnics in Tuttle Creek Park and Konza Prairie were memorable with lots of food and drinks and friendly volleyball games. I was the official Chinese cook. I had a special dish called "One Man Cook and Four Man Chew!" (Get it?) One special episode needs to be singled out as it was an outstanding event. After one picnic at Tuttle Creek Park everybody was accounted for except Mike. I told the group to go back to Manhattan and in the dark I looked for Mike for an hour, worried, but finally gave up. The following day I saw Mike in the workshop and asked where he was last night. He smiled and said "I jogged back to Manhattan. It was only about 5 to 10 miles!!" I said, "I worried sick about you!! You work for X beer company. Yes?" He replied, "Yes." So from that workshop on we had X beer for all our workshops!!

Oh yes, we had the talent show after the last banquet toward the end of the workshop. We do have talents in our group: pianists, opera singers, humorists, instrumentalists, joke tellers, gymnasts, guitarists, magicians, etc., etc., etc. The group even sang a song called "This man called FUNG" I laughed so much that I rolled on the dance floor once.

When I retire, I will sit down and write all the great memories of our wonderful workshop. If you have great stories please send me a few and I might just use your stories in my memoir "The Super Kansas Micro-Workshop" and will send that book along with Catherine's "Me and My World Map" book as a set on Christmas Eve 2015. Yes? Have a great life. Think of us once in a while for we think of you always.

From Catherine, and Daniel, Francis, and Maria
Grandchildren Dessi (girl), Zlati (boy), Kaya (girl), and Plamen (boy)

August 15, 2011

Dear Past Participants:

I want to thank you for your many years of dedicated participation at the Kansas State University International Workshop on Rapid Methods and Automation in Microbiology. You were a very important part of the success of our workshop through the years. We hope you enjoyed and learned much from interacting with experts and other scientists for a whole week of intensive workshop activities.

At the beginning of the workshop series we started with a modest number of applicants (10-20 per year) and about 5 to 10 years into the workshop series we had so many applicants (40-60 per year) that there were years we had to put people on waiting lists! In recent years (5-10 years ago) the scenario has changed and we had gradually smaller and smaller number of applications. It became apparent that sometime we may have to terminate this world-renowned workshop.

The reasons are many, such as the economy, other groups looking at our success started their own similar workshops, saturation of workshops in similar general topic, national meetings developed workshops link with the meetings, and maybe simply we are running out of steam!!

Be that as it may, I as the director of the workshop ultimately bear the responsibility, and after much contemplation and in consultation with my department head Dr. Ken Odde, our very able coordinator Debbie Hagenmaier, and my most loyal co-worker, Dr. Beth Ann Crozier-Dodson, I have decided that we need to terminate the Workshop series starting in 2011.

As a famous Chinese Proverb goes "There is no banquet under heaven, no matter how wonderful, that will last forever." So, with this letter I thank you SO MUCH and wish you much success in all you do. I will organize "Rapid Reunions" in major meetings at ASM, IFT, IAFP, etc., for those loyal Rapid Scientists to have a good time in remembrance of those hot summer days in Manhattan, Kansas when we were all so young once upon a time.

Sincerely,

Daniel Y. C. Fung, MSPH, PhD

Professor of Food Science and Animal Sciences and Industry, Fellow of ASM, IFT, IAFOST and Developer and Director of the KSU Workshop since 1980

Catherine and Daniel in Honolulu enjoying a dinner in an Indian restaurant



Maria, Kaya, Dessi, Zlati, Plamen and Francis Fung in Boston, Massachusetts



Francis, Maria, and family live in Boston, Massachusetts, where Maria is a math professor at **Worcester State and Francis is with **Pegasystems**. Grandchildren are growing up happily. **Zlati** is playing the cello with the Junior Repertory Orchestra (2nd level) of the Boston Youth Symphony Orchestra.**

Professor, Chef, Pianist . . .



By Bryan Goodman

Being a full-time professor leaves little time for very many hobbies. But Daniel Fung, associate professor in animal sciences and industry finds time to teach cooking classes, play the piano, play badminton and on top of all that be a full-time professor.

Living in the United States for several years has Americanized Fung in many ways, but he has tried to hang onto some of his heritage and in turn share it with Americans.

One of Fung's favorite pastimes is cooking. He loves to cook, especially Chinese food. He enjoys cooking so much that he teaches two cooking classes at the University for Man. The two classes that he teaches have very catchy names; "Chinese Cooking Without Sweat" and "Wok Around the Clock."

By teaching these courses, I feel that I am sharing a part of my life and heritage with America, according to Fung.

When he's not in the kitchen cooking, you might be able to find him playing the piano. Fung is an accomplished pianist and has played at several small concerts.

He also enjoys playing sports, especially badminton, and was the champion of the graduate division in intramurals at Penn State in 1977. When asked how he accomplished it, he replied, "I beat them all."

While his hobbies take some time, his main thrust is in education.

In 1978, Fung came to K-State as an animal sciences and industry professor. He became the chairman of the Food Science Graduate Program and is currently serving as an associate professor in the department of animal sciences and industry.

"Dr. Fung is really a good instructor and takes an interest in students," said Marsha McNeil, a graduate student studying food microbiology under Fung and working towards her Ph.D. degree.

But more than being a good instructor, Fung takes time to help students.

"He is always there to help you out when you need help," said Jennifer Lee, graduate student working under Fung for his master's degree.

Fung has gained an international reputation as a lecturer on rapid methods and automation in microbiology and has given lectures on this in many foreign countries. He has given lectures in Germany, Sweden, Great Britain, Czechoslovakia and many places in the United States.

"I have been in at least 20 different countries giving lectures," Fung said.

The field of education has been good to Fung. But if he weren't in education he would probably be an entertainer or a musician. He likes to make people enjoy life. One of Fung's favorite entertainers is Johnny Carson.

Education brought Fung to the United States and that's where he plans to stay.

"I would go back to Hong Kong to visit and give lectures, but America is home now," Fung said. 🐦



Inaugural workshop of the Kansas State University International Workshop on Rapid Methods and Automation in Microbiology: 1980 or 1981?

"Dear Friends of the KSU Rapid Methods and Automation in Microbiology Workshop:
Here is a good story--Was the Kansas State University International Workshop on Rapid Methods and Automation in Microbiology started in 1980 or 1981?"

by Daniel Y. C. Fung, MSPH, PhD, Creator of the Workshop series in 1980. Professor of Food Science and Animal Sciences and Industry, Kansas State University, Manhattan, Kansas since 1978 and University Distinguished Professor, Universitat Autònoma de Barcelona, Spain since 2006.

Ah, Dear Friends, that is a mystery.

Daniel Y. C. Fung has been working in the field of Rapid Methods since 1967 when he started to generate ideas and methods for Miniaturization and Automation for Microbiological Techniques as a young PhD student at Iowa State University from 1967 to 1969. He completed his PhD degree in less than 2 years and published several refereed journal articles, mainly because of all these rapid methods which generated rapid research data for publication!!

He started his teaching career as an Assistant Professor in Microbiology and later as Assistant Director for Administration at Pennsylvania State University from 1969 to 1978. He then moved to Kansas State University (KSU) and advanced through the ranks to be Professor and Chair of the Food Science Graduate Program in 1985. He also was greatly honored to be appointed as a University Distinguished Professor at Universitat Autònoma de Barcelona, Spain since 2006.

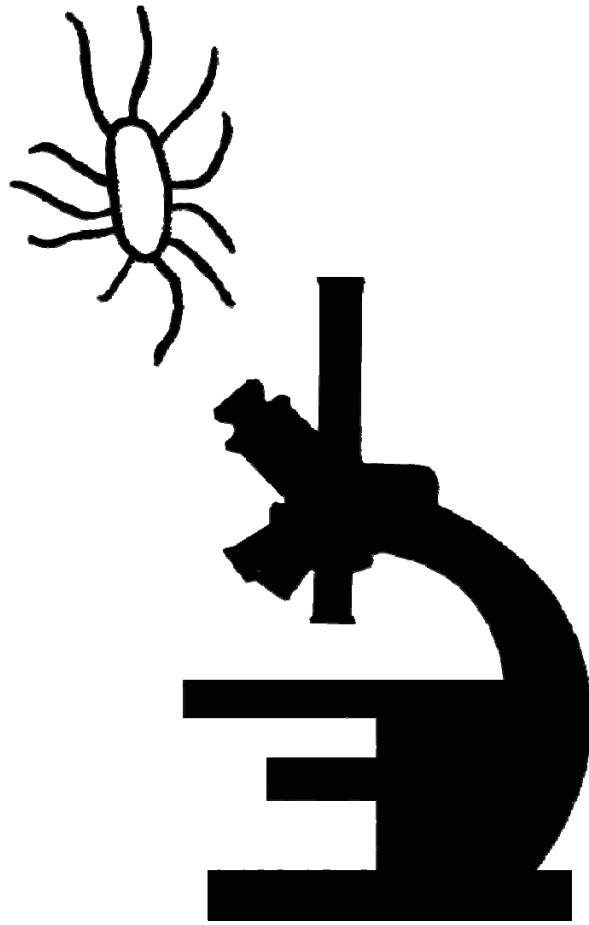
Fung continued to work on Rapid Methods and Automation in Microbiology and developed many new ideas and systems in the process at Kansas State University. As he was progressing in the research he constantly thought of teaching these methods to university students and interested scientists. Around 1980 he decided to teach a graduate level University Course on Rapid Methods and Automation in Microbiology (KSU Food Sci 713) and started an "experiment" on a workshop format and had 40 KSU students in the two week academic course. Since a two weeks workshop was too long for industry people to be off their work stations to come to the official workshop, he decided to shorten it from Friday to Friday including the weekend. That is how we designed the workshop since 1983. That is the reason why some workshop participants can get 2 KSU graduate credits if they signed up for the credits and pay the regular tuition for 2 KSU credits + the workshop fees. For KSU graduate students they only need to pay the usual 2 graduate credits but they eat so much food and obtained so many benefits that we charged them some extra fees for the total course. So that is the history of the workshop series. It started in 1980 as an experiment for KSU students only, and after 30 glorious workshops (1981 to 2010, inclusive) the series officially ended. How many scientific groups can boast to have conducted such a highly successful microbiology workshop series for 30 long happy years with more than 4,000 participants from around the world to spend eight solid days working for about 12 hours per day and learnt so much in so a short time!!

However he is very honored and happy that the scientists (Dr. Josep Yuste and Dr. Marta Capellas) at Universitat Autònoma de Barcelona, Spain started a similar workshop in Barcelona in 2002 after Dr. Josep Yuste, currently Associate Professor of the Spanish University, came to Fung's laboratory for a one year of intensive Post-Doc training in June 2000. Before he left Fung's laboratory he told Fung that he will start a workshop in Spain on the condition that Fung must come to the Spanish workshop as a key speaker every year, forever. Fung said to young Josep that he cannot promise 'Forever' but will come to the Spanish workshop as long as he can still fly!! So, the Spanish workshop was started in 2002 and now is in its 11 years of success. In a very true sense the Workshop in Barcelona is a lovely continuation of the KSU Workshop series into the future.

Sincerely yours,

Daniel Yee Chak Fung, Creator and Director of the KSU workshop from 1980 to 2010
Professor of Food Science and Animal Sciences and Industry, KSU, 1978 to current
University Distinguished Professor, Universitat Autònoma de Barcelona, 2006 to current
Fellow of Institute of Food Technologists (IFT)
Fellow of American Society for Microbiology (ASM)
Fellow of International Academy of Food Science and Technology (IAFoST)
Winner of IFT International Award (1997)
Winner of SIM Waksman Outstanding Educator Award (2001)
Winner of IAFP Food Safety Award (2012)

Travel through Time with Rapid Methods



**Rapid Methods and Automation in Microbiology
Thirty Years of Excellence
1981 – 2010**



**Rapid Methods & Automation in Microbiology
1981**



**Rapid Methods & Automation in Microbiology
1982**



**Rapid Methods & Automation in Microbiology
1983**



**Rapid Methods & Automation in Microbiology
1984**



Rapid Methods & Automation in Microbiology - 1985



Rapid Methods & Automation in Microbiology - 1986



Rapid Methods & Automation in Microbiology - 1987



Rapid Methods & Automation in Microbiology - 1988



Rapid Methods & Automation in Microbiology - 1989



Rapid Methods & Automation in Microbiology - 1990



Rapid Methods & Automation in Microbiology - 1991



Rapid Methods & Automation in Microbiology - 1992



Rapid Methods & Automation in Microbiology - 1993



Rapid Methods & Automation in Microbiology - 1994



Rapid Methods & Automation in Microbiology - 1995



Rapid Methods & Automation in Microbiology - 1996



Rapid Methods & Automation in Microbiology - 1997



Rapid Methods & Automation in Microbiology - 1998



Rapid Methods & Automation in Microbiology - 1999



Rapid Methods & Automation in Microbiology - 2000

Rapid ID of Friends— 2000 Celebration



Kansas State University
July 6-14, 2000
Call Hall Front Door

Rapid ID of Friends—2000 Celebration

- | | | |
|--|--|---|
| <p>1 RANDY PHEBUS
 2 KEVIN KLINK
 3 RUSS HAZEN
 4 Matt WILLIAM EVANS
 5 JONNA CUMISKEY
 6 KIMBERLY MATTINGLY
 7 Jennifer Boone
 8 PAT LASATER
 9 ERDOGAN CEYLAN
 10 JENNIFER WITT
 11 LESLIE THOMPSON
 12 JOSEF. YUSTE
 13 JIN-MAN KIM
 14 Pat Bookh
 15 DANIEL Y. C. FUNG
 16 BETHANN CROZIER-DODSON
 17 Marion Ijerman
 18 MILICEUT GOROSCHMIOT
 19 MAHA HAJMEER
 20 EUGENIE RIVERA
 21 Sasitorn Nakthong
 22 LUZ RIVERA
 23 GINNY STOKS
 24 JULIA RUTTAN
 25 VIVIAN WU
 26 Alisha Coulson
 27 Sol KIM
 28 Mark Pevvy
 29 Michele Gorman
 30 Melissa Hoff</p> | <p>31 P.C. VASAVADA
 32 REBECCA KANENAK
 33 PRAVATE TUITEMONG
 34 CHRIS DESTRO
 35 GINA McJonathan
 36 FARRAD BINJASASS
 37 ANUPAMA VISHNUBHATLA
 38 CECE LAHELLEC
 39 ERNESTO LIEBANA
 40 Shelley Christensen
 41 JANICE NIKKEL
 42 Karen Carpenter
 43 Leslie Dimsdale
 44 KANDICE McGARVEY
 45 Tony Phillippo
 46 Carla S. McKinney
 47 Amy Jones
 48 JOEL HALOU
 49 Dianne Ripberger
 50 BELINDA CHUNG
 51 Antanette Johnson
 52 Michelle Gordon
 53 MELISSA WEBB
 54 JULIAN COX
 55 CASSANDRA VAUGHN
 56 Lynn Peram
 57 TERESA ORTEGA
 58 Roy Pivonka
 59 JINGKUN LI
 60 LESUE DHUA</p> | <p>61 CHRIS WILKINS
 62 Scott Ladely
 63 Darrin Blotz
 64 JOHN SHIELDS
 65 BRUCE BRADLEY
 66 JIM GOSCH
 67 Bob Tacke
 68 Pam Kouer
 69 NORBERT LANGFELD
 70 Tim Byrne
 71 Kevin Lester
 72 WEN LIN
 73 B. Campbell
 74 Susan Shilling
 75 JOE ZINDULIS
 76 PETER HOLZ
 77 Gloria T. Anderson
 78 MARY FARHATT
 79 Chris Ferrante
 80 GILLIAN HEARD
 81 Teresa Muzzey ^{Muzzey}
 82 CRO. KILLMER
 83 Jax Abbott
 84 Phil Gafford
 85 Surbhi Desai
 86 Ann Kasor
 87 SCOTT RUSSELL
 88 DEE ANDRA LAMBERT
 89 KENDRA KERR
 90</p> |
|--|--|---|



GREETINGS FROM THE FUNG'S

2000 has been an adventurous and globe trotting year!!

Catherine and Daniel traveled together to **Hong Kong, Bangkok and Singapore** in March, then **Seattle, Van Couver Island** in May. A truly **dazzling trip** in May and June from **LA** (ASM meeting) to **Dublin to London to Hannover to Hamburg to Oslo** (taught a workshop) then back to **Hamburg** (stayed in **Kempiski Hotel Atlantic** where a James Bond movie was filmed) to **Hannover** again to attend the **Millennium World Expo** and then back to **London and Dublin**. Daniel flew back to USA to **Dallas** for IFT meeting.

Catherine went by herself to **Isle of Man** (Tourist Trophy – professional motorcycle race); **Belfast; Edinburgh** (Our Dynamic Earth); **Newcastle** (Life–interactive world); **London** (Rode on **London Eye**, the tallest **Ferris Wheel**, and visited the **Millennium Dome**); **Stonehedge, Caramarthan and Wales** (the National Garden).

We met again in **Corke, Ireland**, where Catherine played the piano in a beautiful Reception Hall of **University of Corke** and had a photograph taken with the **US Ambassador to Ireland**. On our way home stayed at **Trinity College in Dublin**.

In the Fall, visited **Philadelphia** (twice), **Toronto** (visited Yvette), **Atlantic City** and **Las Vegas**. Great joy staying in Francis' new house in **Menomonie, WI** while visiting **River Falls** and **Mall of America, Minneapolis**. **Mrs. Lee**, Catherine's mother, was there too. Great visit.

In Nov. went to **Washington, D.C.** then ventured to **Peru**. Flew to **Cuzco** via **Lima** to take a 3 hour scenic train ride to **Machu Picchu –the lost city of the Inca Empire**. Mist, clouds, ancient structures, temples, tropical trees, meandering rivers, cliffs, towering mountain peaks, gorges, narrow trails, caves, fountain of youth, llama, alpaca, and very friendly indigenous people greeted us on the way. Catherine got a \$\$ Alpaca fur coat. Beautiful.

In **Lima** we gourmandized in **Restaurant Costa Verda**, the world's largest buffet, 475 items. It is listed in the **Guinness Book of World Records**.

From Nov.29 to Dec 3 we were in **Darmstadt, Germany**. Our host (Merck) treated us with **Hotel Jagdschloss Kranichstein**, a castle once upon a time where royalties stayed when they came hunting. Nearby is an Olympics swimming pool where Catherine swam and dived everyday. She is now a very graceful diver. In **Darmstadt, Frankfurt, and Heidelberg** we visited traditional **Christmas Markets**--so- many-people!!

Francis just turned wonderful 27 with a happy family, a great job in **Minneapolis** and living in **Menomonie, WI**. **Maria** is an Assistant Professor of Math at Univ.. of Wisconsin–Stout. **Dessi** is an affectionate 4 year old girl and **Zlati** is a big one and half year old little boy.

THE 21ST RAPID METHODS AND AUTOMATION IN MICROBIOLOGY WORKSHOP IS JULY 6 TO 13, 2001. SEE YOU IN MANHATTAN, KANSAS.

WE WISH YOU A VERY HAPPY 2001.

Catherine and Daniel with General Colin Powell, the new US Secretary of State



THE TRAVELING FUNGS ODYSSEY IN 2000

HONG KONG
Hiking up Victoria peak!

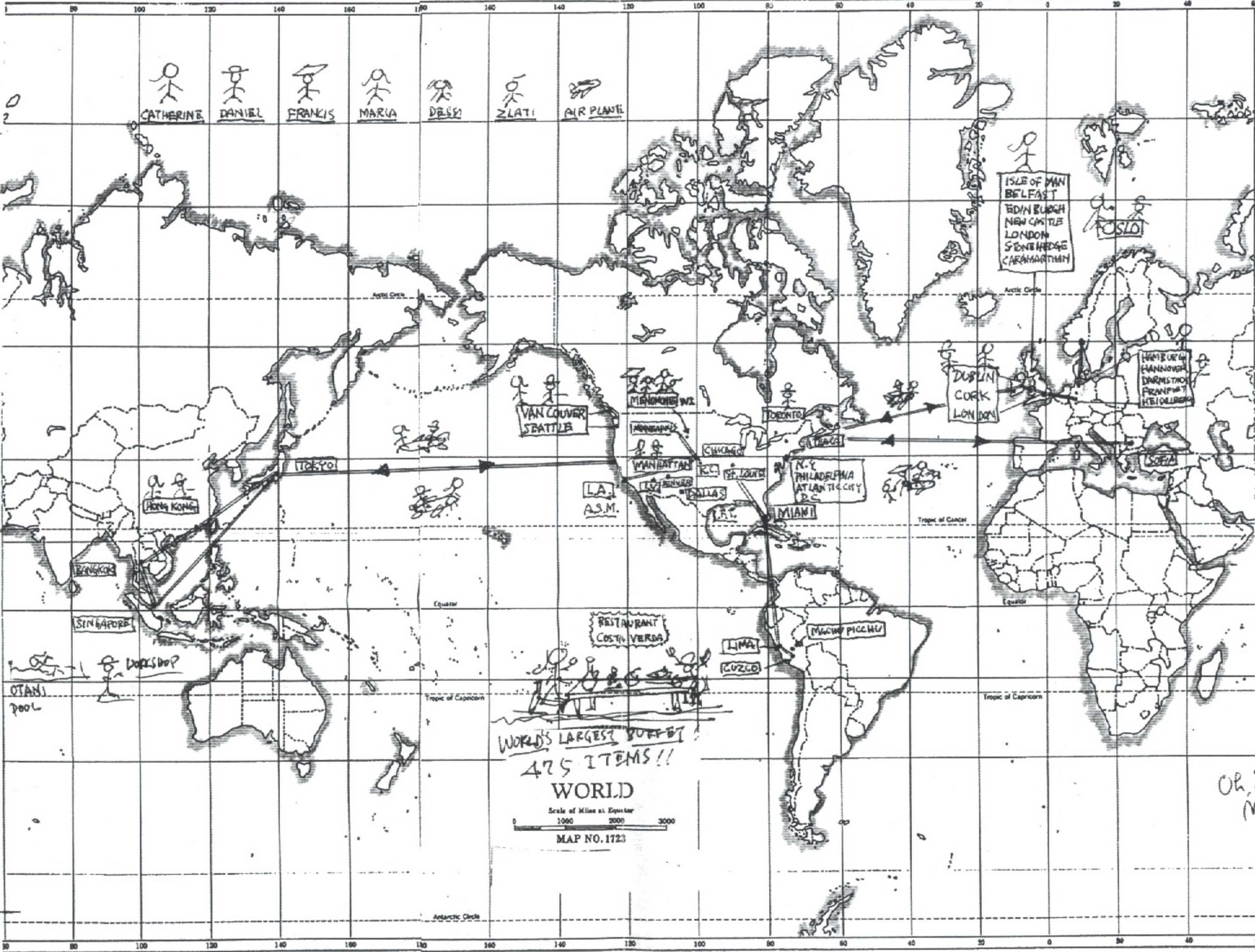
DARMSTADT!! Germany

SPIRAL APARTMENT COMPLEX. EVERY WINDOW IS DIFFERENT!!

GERMANY CHRISTMAS MARKET

FLOATING MARKET OF BANGKOK

FEEL, DRINKS, FUN!!



LONDON EYE
WORLD'S Largest Ferris Wheel!

MACHU PICCHU
INCA CULTURE

FOUR GENERATIONS FAMILY PHOTO
AT FRANKIS & MARIA'S HOME
Mrs. Lee
NIKON

MENOMONIE, WISCONSIN

VENETIAN HOTEL
LAS VEGAS

OR, Solo Mia!!
WORLD'S LARGEST HOTEL!!



Rapid Methods & Automation in Microbiology - 2001



Rapid Methods & Automation in Microbiology - 2002

GREETINGS FROM THE FUNG'S

*2001 has been a solemn year due to tragic events occurred nationally and internationally.
The Fung's did have an adventurous, eventful, and Jet setting year.*

Catherine and Daniel attended professional meetings and enjoyed great scenery, food, culture, and friendship. **April to Wuhan, China** toured the fantastic **Three Gorges of the mighty Yangtze River, Hong Kong, & Seoul, Korea**. A dam built across the Yangtze will displace 1.5 million people, flood the hundreds of steps we labored up the banks, and the hotels we stayed, along with irreplaceable treasures, temples, etc.

June to Dramstadt, Germany (treated royally by **Merck** again), took a leisure boat trip meandering down the **Rhine** from **Rudeshim** (near **Maiz**) to **Koln** with beautiful castles at every corner. Super!

August to San Jose, Costa Rica, stayed at the luxurious **Hotel Herradura** with 3 gorgeous swimming pools. Climbed up **Monteverde Cloud Forest** where we stood at the **Continental Divide** and saw the **Pacific Ocean** and the **Atlantic Ocean** at the same time—through the clouds!! Down to the **Jungles of Tortuguero** where we took many mystical and adventurous river trips and saw a lot of colorful birds, flowers, trees, and animals (greeted by a variety of **Monkeys** and even a lazy **Sloth**, and observed as a 300 lb **Turtle** laid hundreds of eggs on the beach). Spectacular misty mountain views all around!

November off to **Tokyo, Japan** as guests of the **California Dried Plum Board**. Ate some truly delicious, fresh, and authentic Japanese and Italian cuisine. Took day trips to historical **Nikko** (cedar trees), **Hakone** (lovely lake), and **Kamakura** (big Buddha). **Mount Fuji** with the majestic snow-cap was gloriously displaying its splendor in harmony with the blue autumn sky of the **Land of the Rising Sun**. Nostalgic visit to **International Christian University (ICU)** in **Mitaka** where Daniel was a student in the sixties.

Catherine took an "out of the world" trip to **Mauritius** and **Seychelles** in November and December where she saw 3 baby sharks as she swam in the warm, soothing and clear waters of these island countries in the **Indian Ocean** off the coast of **Madagascar**. She also witnessed schools of exotic fish flying over the waves when excited by her movements. **Wow, what a sight!!** Made many new friends and experienced interesting cultures of that region of the world. Stopped by **London** and absorbed a variety of shows in the theatre district (**My Fair Lady, Blood Brother, Lion King, and South African Dance Troop**). She is becoming an accomplished diver from the **HIGH BOARD** both the front dive and the back dive! Continues to enjoy and love her piano-playing and book-writing activities. Encourages Daniel to swim 20 laps per day.

Francis just turned happy 28 years old with a growing family. He is working with a computer company in **Corvallis, Oregon**. **Maria** is now an Assistant Professor of Mathematics at Western Oregon University. They are expecting a **new baby** in **January, 2002**—Exciting time!! **Dessi** is 5 years old and her brother **Zlati** is about 3 years old. We are pleased that we visited them in **Menomonie, WI** in August before they moved and equally pleased to stay in their new beautiful home in Corvallis in October.

Daniel went to **Budapest, Hungary** (conference in May) and **Singapore** (workshop in July) and attended the wedding of **Linus**, son of sister **Dixie**. Sisters **Yvette, Elaine** and husbands were there too. Also went to many cities in U.S. for lectures and meetings throughout the year. Just completed his **81st** graduate student and won the prestigious **Waksman Outstanding Educator Award**. Active in Church and Lions Club.

**THE 22nd RAPID METHODS AND AUTOMATION IN MICROBIOLOGY WORKSHOP IS
July 12 to 19, 2002. <<http://www.dce.ksu.edu/dce/cl/microbiology/index.html>>**

WE WISH YOU A VERY HAPPY 2002

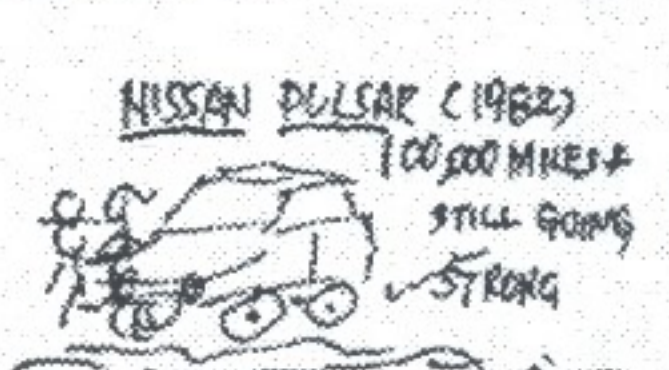
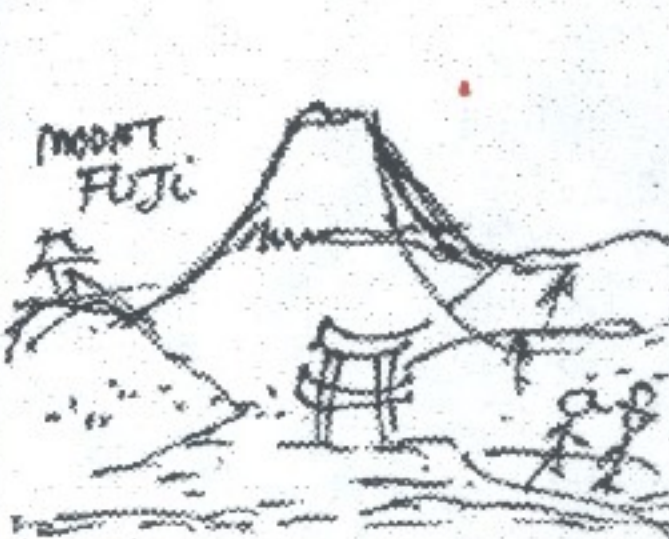
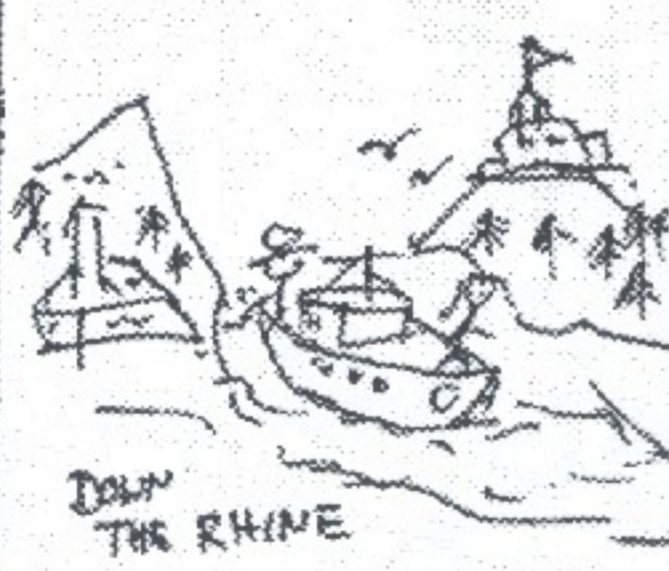
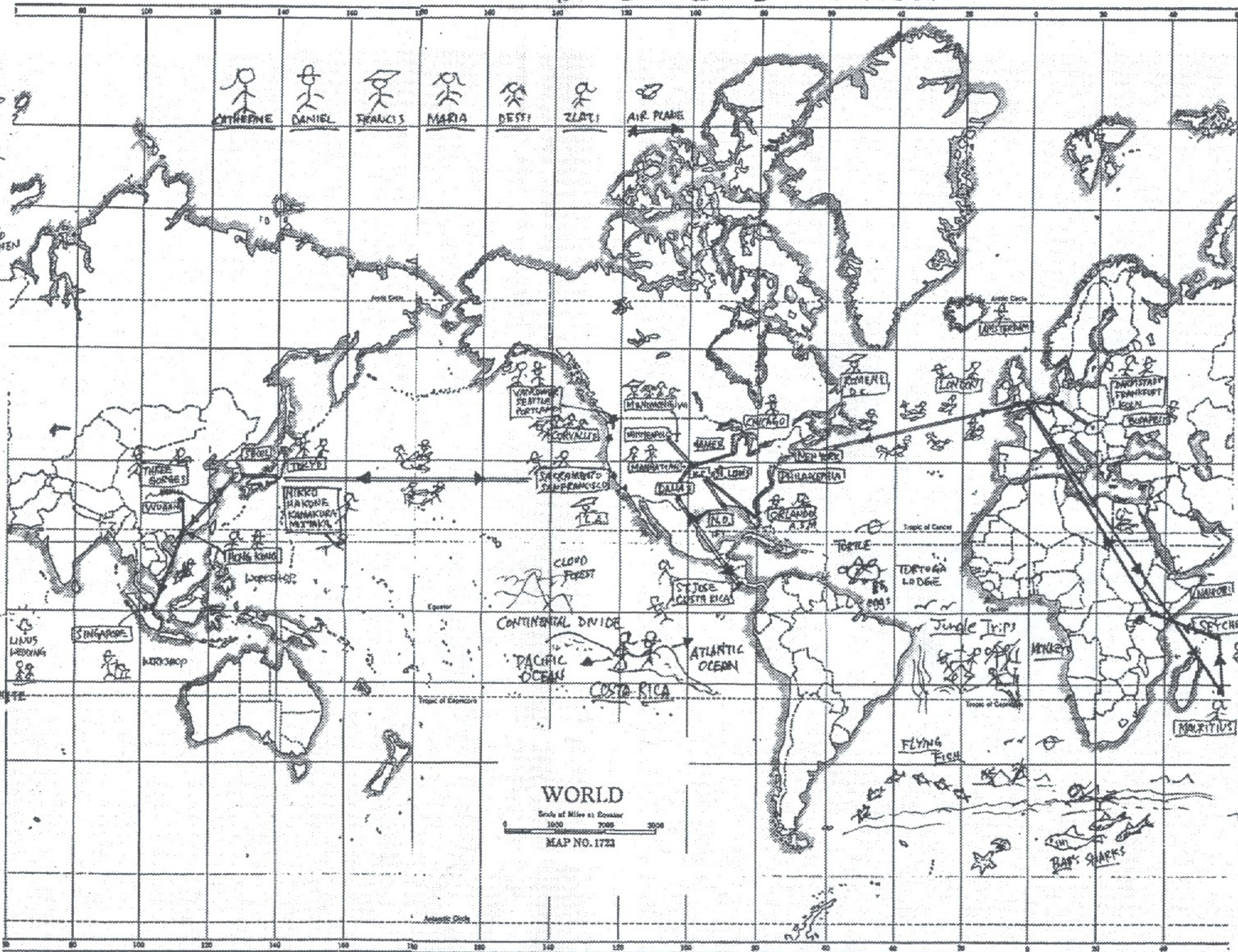
Catherine and Daniel ran into a Japanese Dorothy and her Wizard of Oz Gang at ICU Festival. Delightful Encounter.



Home: 607 Houston St., Manhattan, KS 66502.

E-mails: <c.l.fung@eudoramail.com> & <dfung@oznet.ksu.edu>

THE TRAVELING FUNGS ODYSSEY IN 2001



Greetings from the Fungs

Greatly belated 2002 Christmas, 2003 New Year and Chinese New Year Greetings!.

Life is truly busy with the Fungs. Here are some of the major events.

- ★ Catherine took a trip to Australia and visited her Mother in New Zealand in January 2002.
- ★ Kaya Fung was born on January 23, 2002 – a beautiful girl to Maria and Francis. Dessi and Zlati are growing rapidly. They now live in Corvallis, Oregon. Francis is working with a computer company and Maria is an Assistant Professor of Mathematics at Western Oregon University.
- ★ Daniel and Catherine took the CONCORDE flight from New York to London – 3½ hours!!
- ★ Traveled extensively in Germany, France and Spain (Bilbao and Barcelona) giving lectures and attending meetings.
- ★ Took a great trip to beautiful Alaska and went all the way to the Arctic Circle.
- ★ Daniel and Catherine took a trip during Christmas and New Years to Australia and toured a lots of interesting places around Sydney and Melbourne. In between Daniel went to Honolulu and gave a bunch of lectures, as well as ran some experiments, at University of Hawaii.
- ★ Took a truly fantastic trip to China (Shanghai, So chow, Jinan, Beijing, etc.) Ate a lot of great Chinese food. You must eat Peking duck in Beijing and you must climb the Great Wall of China to be a real hero!

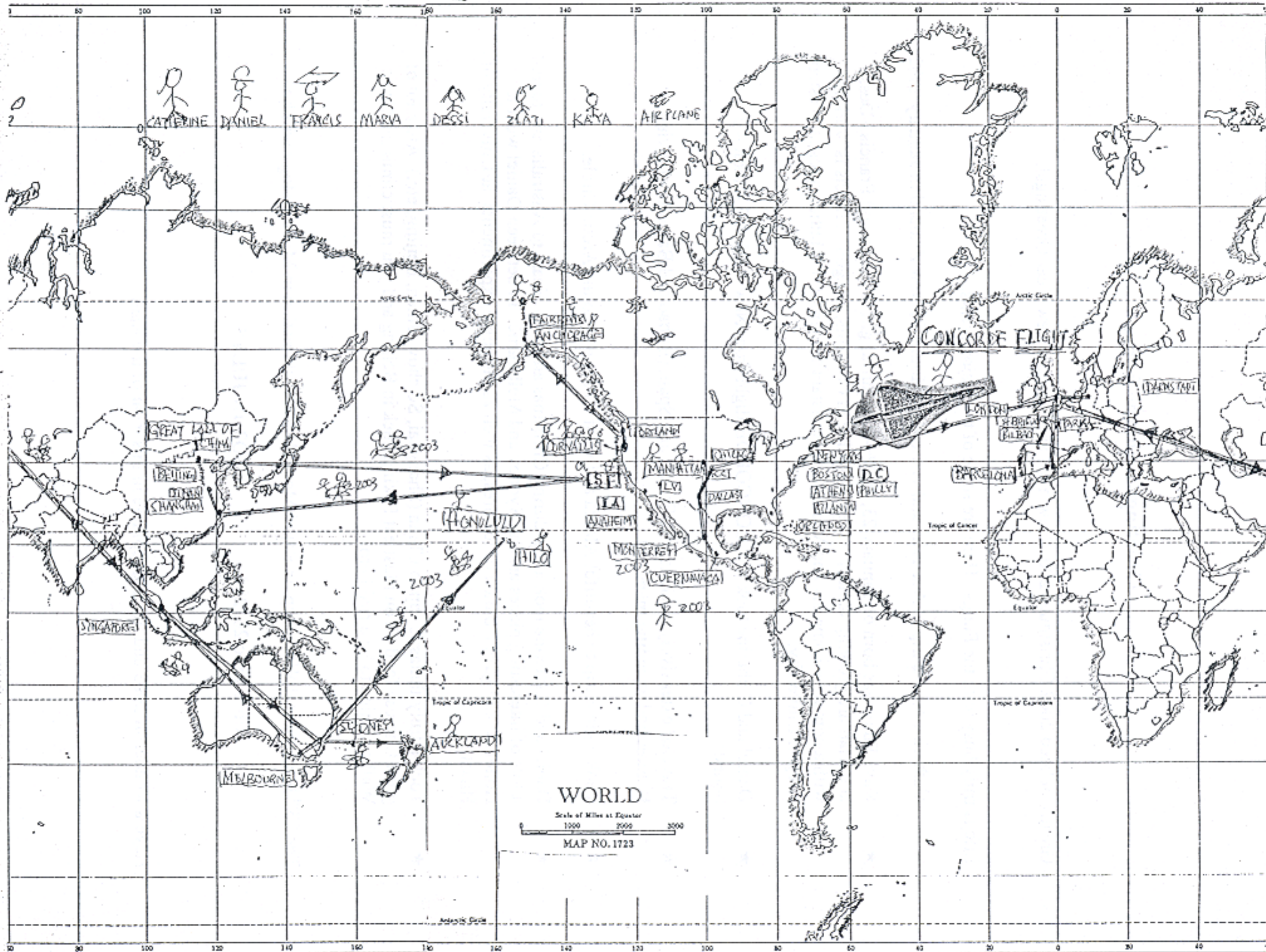
The 23rd International Workshop on Rapid Methods and Automation in Microbiology will be -

JUNE 13 to 20, 2003

“NOT IN JULY”

Have a wonderful 2003 and much happiness in this Year of the Ram!

THE TRAVELING FUNGS ODYSSEY IN 2002 + SPRING 2003





**Rapid Methods & Automation in Microbiology
2003**



**Rapid Methods & Automation in Microbiology
2004**

Greetings from the Fungs

Happy Chinese New Year—the year of the Monkey

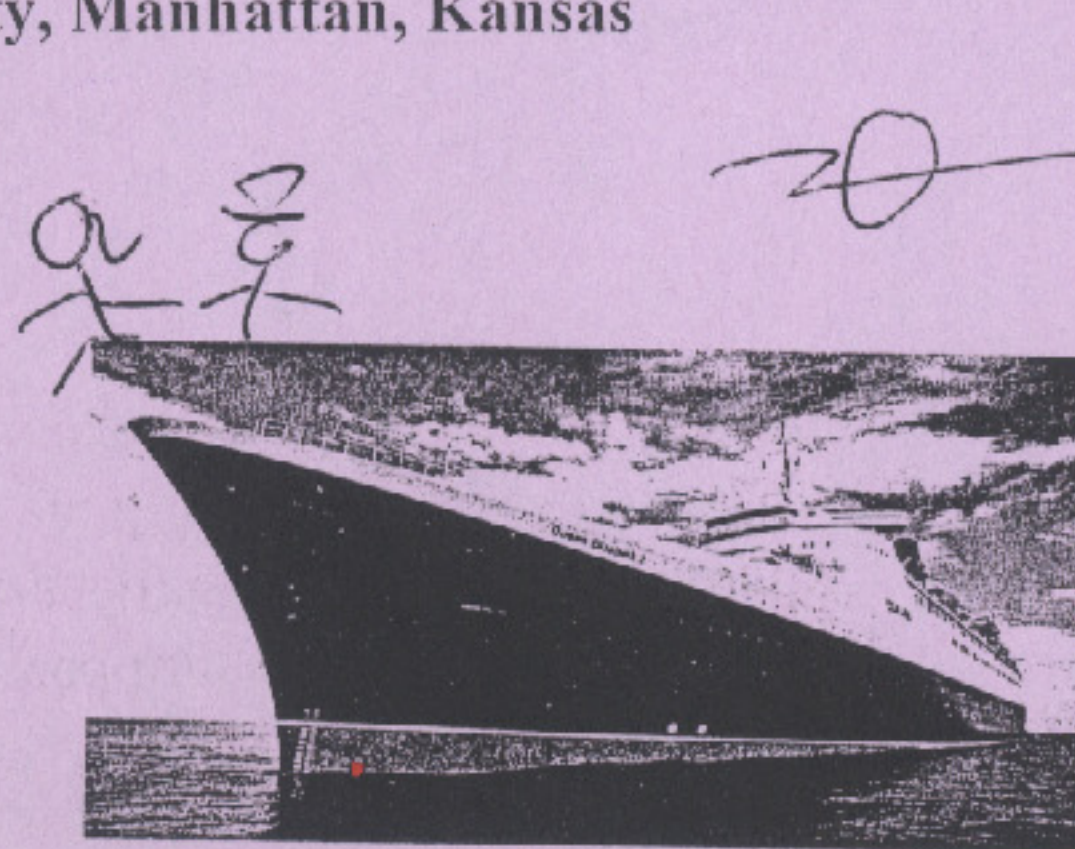
Confucius said “The Monkey who climbs most trees is the strongest”

Life is again very busy for the Fungs. Here are some of the major events

- The year 2003 started with a **long trip to Australia** visited **Sydney and Melbourne**. We visited a lot of interesting places in Australia. Daniel took a side trip to Honolulu and Hilo and did an interesting piece of research at **University of Hawaii** as well as giving several lectures in microbiology in Hawaii
- Took a **fantastic trip to China** in March (Shanghai, So Chow, Jinan, Beijing, etc) went to a great many historical places in northern China which included the **Great Wall of China, the Forbidding City, the Grand Canal**, etc. Ate a lot of delicious food. The food of different regions are truly very different!! Daniel gave some lecture in **Shanghai**.
- Daniel went to **Monterrey, Cuernavaca** (both in Mexico), **Brussels**, and many cities in USA for professional meetings and conferences. In November, he taught for a week in **Barcelona**, Spain as a “**Highly Qualified Visiting Professor**” of the University System of Catalonia, Spain.
- We went to the **Grand Cayman Island** for the wedding of one of Daniel’s former student. The island is very beautiful and charming. **String Ray City** was really interesting. About fifty String Rays swam to the shallow water and ate food out of the hands of wading tourists. Many spectacular tropical fish in the water.
- **Catherine** took the cruise ship **Paradise** by herself and Miami and went through the Caribbeans to **Honduras, Belize**, and again to **Grand Cayman** before coming back to Florida. This is the only **completely non-smoking ship** cruising on the sea.
- **Francis and Maria** are living in **Corvallis**, Oregon. The children are growing up happily with **Dessi** playing the violin, **Zlati** playing the cello, and **Kaya** an active 2 year old. Francis is a computer consultant and Maria is an Assistant Professor in Mathematics at Western Oregon University. The family is doing great.
- At the beginning of January 2004 we took a **truly fantastic trip on the Queen Elizabeth 2** from **Fort Lauderdale** to **Curacao** through **Panama Canal**, to **Acapulco, Cabo San Lucas** and to **Los Angeles**. It was a very elegant ship with great style, food, entertainment, shows, swimming pools and even a Casino. As we passed through the Panama Canal we taught the passengers the Palindrome “**A Man A Plan A Canal Panama**” which can be spelt backwards. They were impressed. We were even in the **talent show** on the ship. We loved all the breakfasts, lunches, high teas and the formal dinners very much. The midnight buffets were great. **Lovely memories**.
- We wish you a very happy successful and fruitful 2004!!

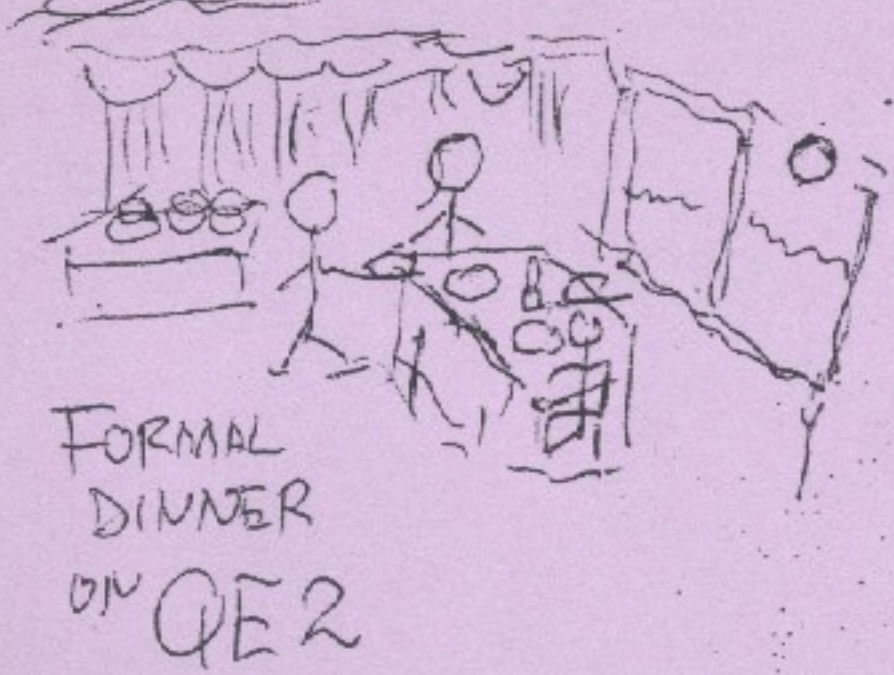
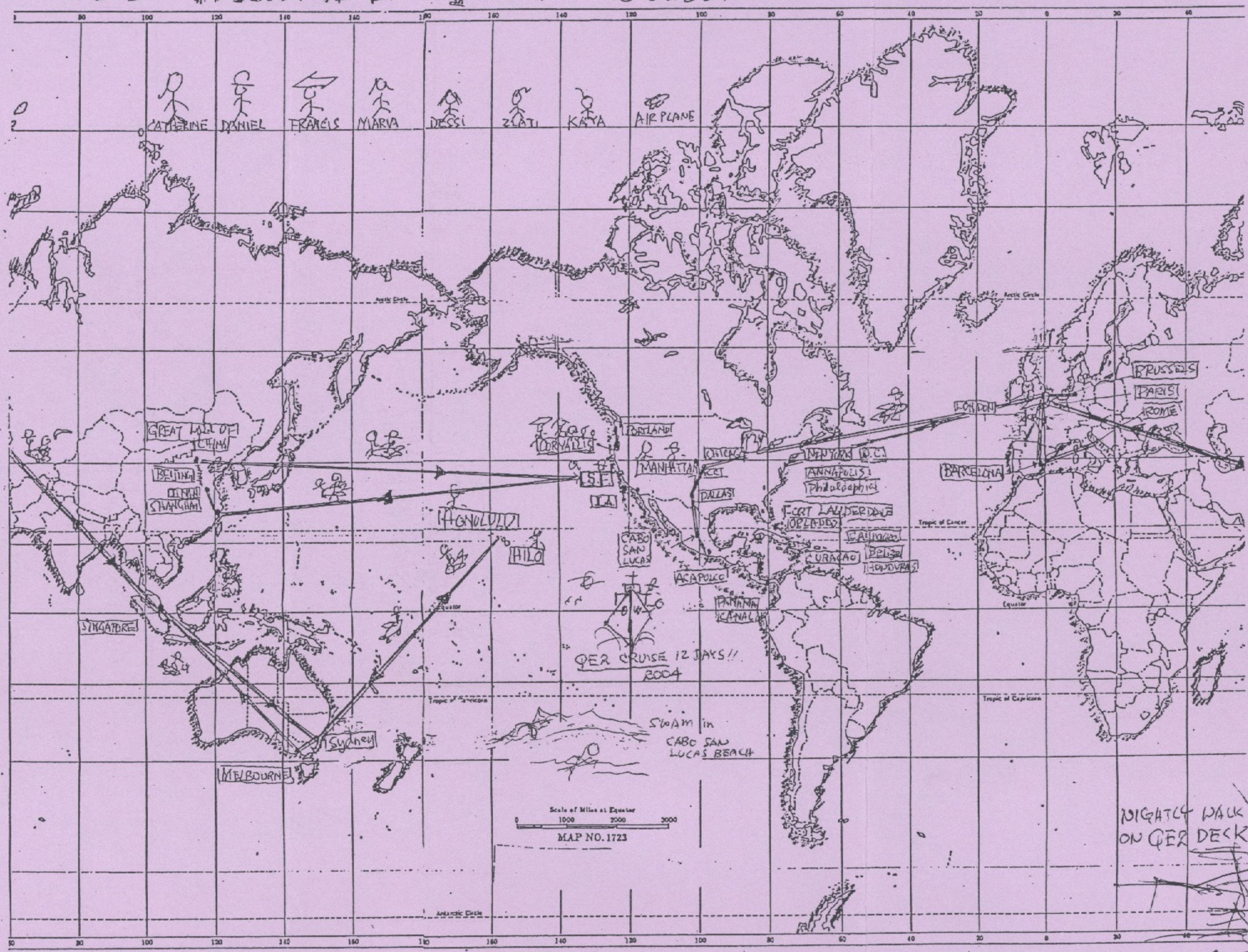
The 24th International Workshop on Rapid Methods and Automation in Microbiology

June 18-25, 2004 at Kansas State University, Manhattan, Kansas



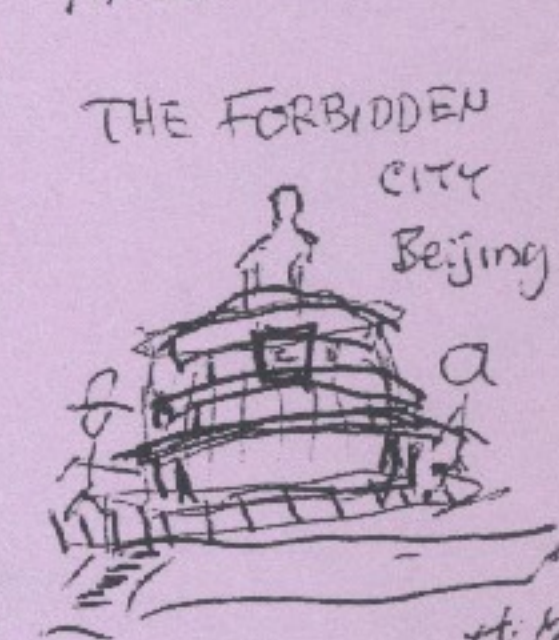
QUEEN ELIZABETH 2

THE TRAVELING FUNGS ODYSSEY IN 2003 + SPRING 2004



135 feet Hit water at 50 M.P.H.

Pick berries together in Corvallis



Scale of Miles at Equator
0 1000 2000 3000
MAP NO. 1723

GREETINGS FROM THE FUNG'S

2004 has been a cruising and enjoyable year!!

In January we took **Queen Elizabeth 2** and sailed to **Curacao**, a World Heritage site; then the **Panama Canal**. Here is a palindrome: **A MAN A PLAN A CANAL PANAMA**. In **Acapulco** we were mesmerized by the Cliff-Divers. We then swam at **Cabo San Lucas**.

In February **Catherine** cruised leisurely on **Carnival Jubilee** visiting **San Juan, St Thomas, St Lucia, Antigua, Dominica**, and **Dominican Republic** then flew to **San Francisco**.

In July we took the 6-week old **Sapphire Princess**, largest ship to sail into the **Alaska Inside Passage** and went to **Ketchikan, Tracy Arm, Juneau, Skagway, and Victoria, Vancouver Island**. This was a very cool trip in the high heat of summer.

On January 8th, 2005, we boarded the tallest, longest, biggest, grandest, greatest and most expensive (closed to one billion US Dollars) ship ever built, **The Queen Mary 2**. We sailed to **St Thomas**; then **St Maarten**, an island half belongs to France and half to the Netherlands; then **St Kitts**. **QM2** is also the most luxurious ocean liner with the White Star Service tradition. We were served two lobsters, each, during the meet-the-captain formal dinner!! **Catherine** had some successes with **Daniel** in tackling ballroom-dancing on the largest dancing floor at sea! During the Guest Talent Show we had lots of cheers for us from a 12-member Chinese family, our neighboring-table diners, Tai-Chi friends and Daniel's Trivia groups. The only planetarium at sea and the 3-D stage with an open-and-close chandelier enhanced our collection of being marveled. We had a great time in the entire cruise. **WE WERE PAMPERED!!**

For conferences we visited **Dallas, New Orleans, Las Vegas, Phoenix, Boston, Orlando, San Diego**, etc. We spent a week in **Barcelona** to teach the **3rd Rapid Methods Workshop** and a seminar with **Catherine** at **Autonomous University of Barcelona**. We spent two wonderful weekends in **Paris**; went to Museum of Music with about 1,000 instruments, visited Pere Lachaise Cemetery— you can see some of the famous graves in the movie **Phantom of the Opera**. We both tarried at the flower-filled grave of **Chopin** to contemplate his melodies.

Visited **Francis** and **Maria** in December in **Corvallis** and listened to **Dessi** (8) playing the violin in a recital, **Zlati** (5) playing the cello in a Christmas party, and **Kaya** (3) laughing and singing, and defining happiness to **Catherine** as "**Happiness is you are lucky to love each other.**"

Catherine will be **keynote speaker** at the banquet in the 25th **KSU Rapid Workshop**. **Daniel** completed his **91st** graduate student (60 M.S. and 31 Ph.D.) as the major professor. He moved into a lovely, spacious, efficient, and bright new office not only fitting for a true scholar but displaying world-wide souvenirs and works of Arts.

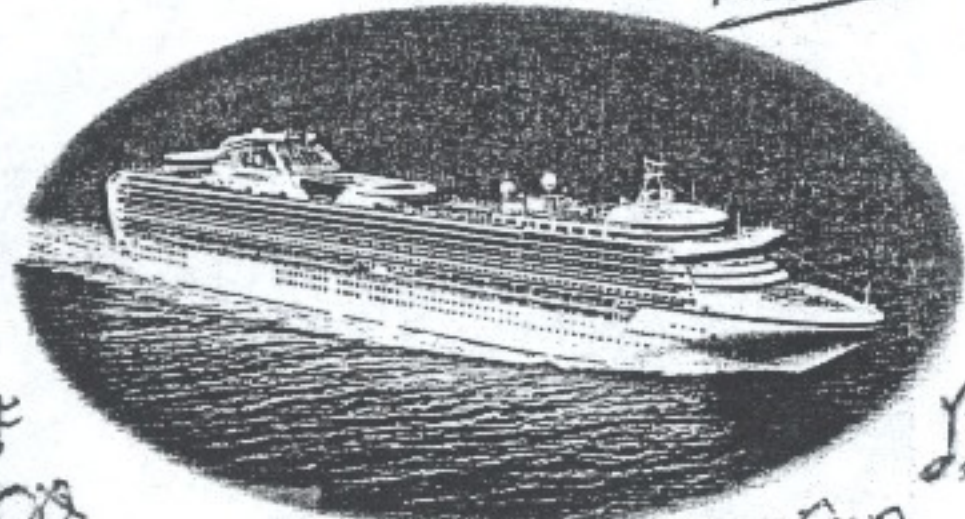
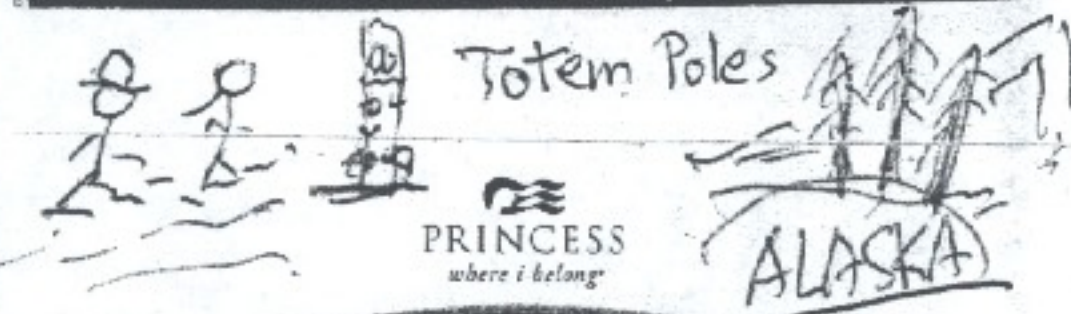
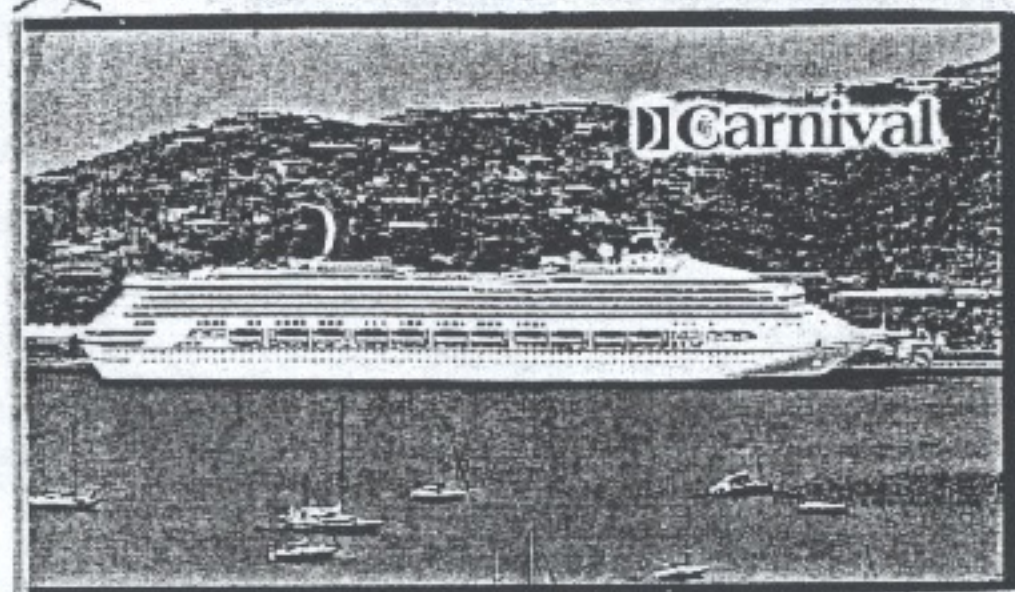
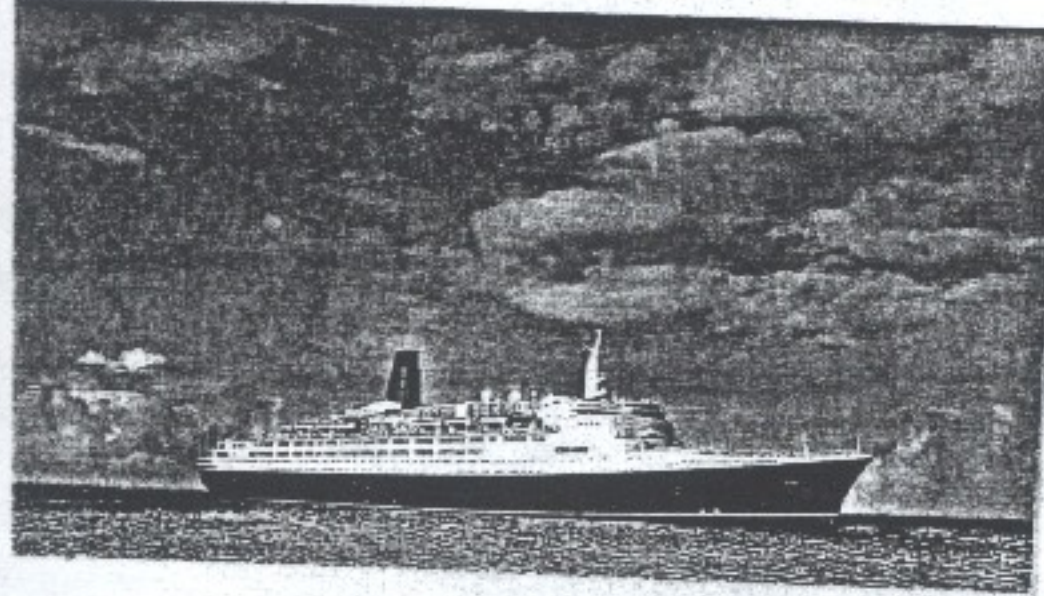
THE 25TH GALA QUARTER CENTURY INTERNATIONAL WORKSHOP ON RAPID METHODS AND AUTOMATION IN MICROBIOLOGY IS JUNE 16-24, 2005

WE WISH YOU A VERY HAPPY 2005

Catherine doing Yoga on the smooth sandy beach of **Cabo San Lucas** looking towards **QE2**:



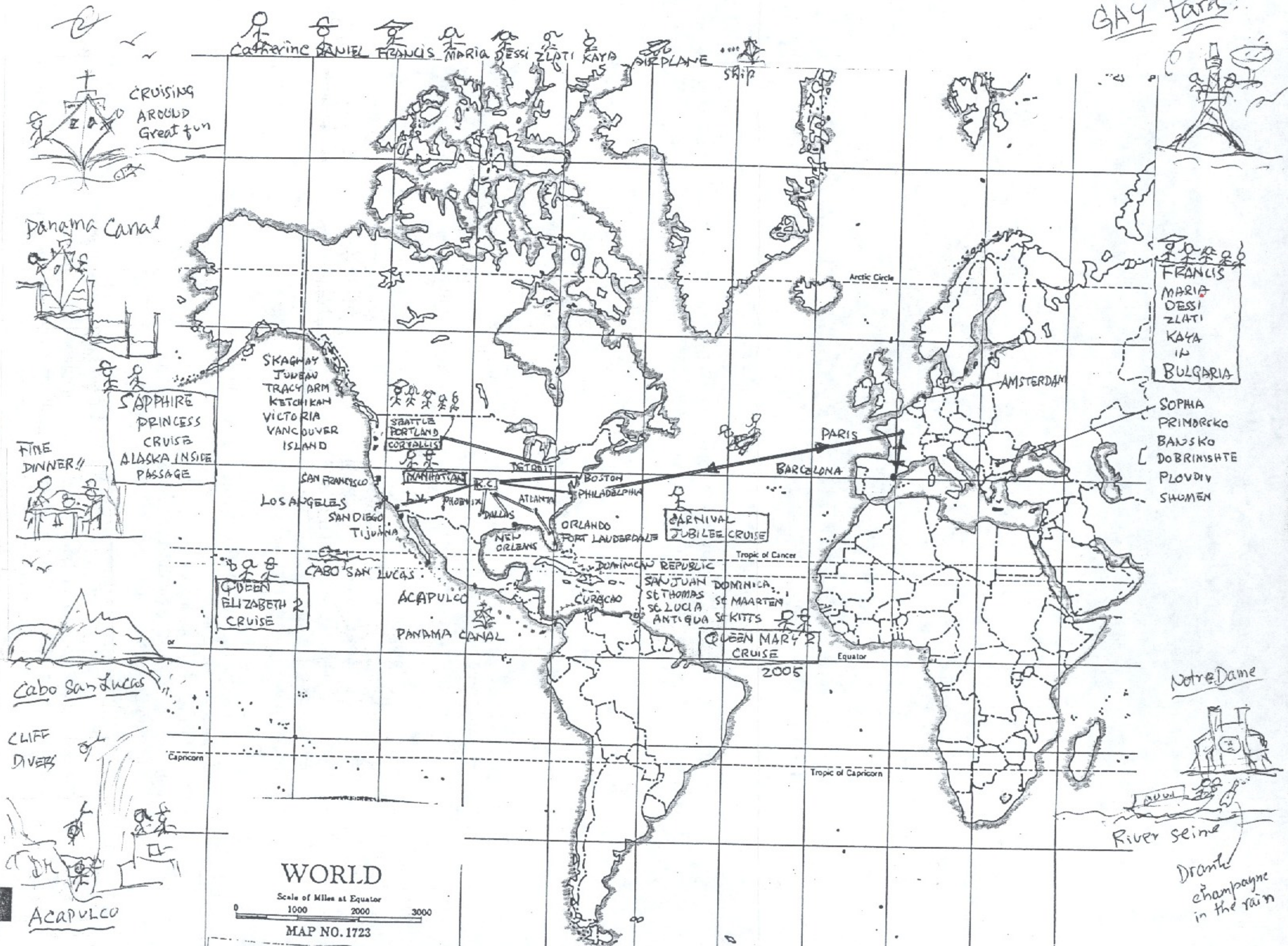
QUEEN ELIZABETH 2
WORLD CRUISE 2006
VOYAGE OF THE SEVEN WONDERS



CUNARD LINE
QUEEN MARY 2, QUEEN ELIZABETH 2
2005 VOYAGES



THE TRAVELING FUNGS ODYSSEY IN 2004

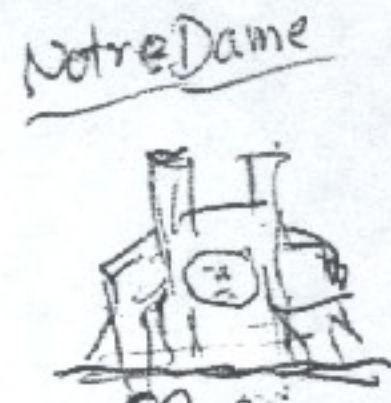


CATHERINE DANIEL FRANCIS MARIA DESSI ZLATI KAYA AIRPLANE SHIP



FRANCIS
MARIA
DESSI
ZLATI
KAYA
IN
BULGARIA

SOPHA
PRIMORCKO
BAVSKO
DOBRINISHTE
PLOVDIV
SHUMEN



River seine
DRINK champagne in the rain



Rapid Method & Automation In Microbiology
2005







GREETINGS FROM THE FUNG'S

*You are our best ambassador for
Workshop XXVI! DCF*

2005 has been a most enjoyable year. Our "Christmas Letter" has now become a "Welcome Spring Letter" to coincide with the publication of the Rapid Methods Workshop pamphlet.

In January 2005, we took the fabulous Queen Mary 2 and cruised in the Caribbean Sea. Visited St Thomas, St. Maarten, and St. Kitts and Nevis. Catherine took a Mediterranean cruise on Costa Fortuna through Spain, France, Italy, and Tunisia. On the cruise she was crowned as Miss Italian and won the ship's OSCAR. We also took the Horizon Celebrity cruise and went to Bahamas, Puerto Rico, St. Maarten, Tortola, St Lucia, etc. In January and February 2006 Catherine took a long cruise on Queen Elizabeth 2, from Los Angeles (remember we landed in L.A. last time we took QE2 from Florida two years ago?) to Honolulu, Pago Pago (American Samoa), Lautoka (Fiji) Noumea (New Caledonia) Auckland, Tauranga and Wellington (New Zealand) and Sydney (Australia). Daniel went along only to Honolulu, visited sister Elaine and Chris and gave some lectures at the University of Hawaii. Along the way Catherine had her Birthday on the Pacific Ocean, visited her mother, aunt and cousins in New Zealand. She was well liked especially by the Spanish group because of her choice to play a Spanish piano piece. One art teacher from Philadelphia bought a watercolor painting Catherine created in an Art Enrichment Class and she deemed Catherine's work the best in the exhibition! People noticed Catherine's unique signature on her watercolors. She signed them with musical keys.

The big news from Francis and Maria was the arrival of a baby boy, Plamen Yung Ming Fung on August 24, 2005. Now the family is really busy with Dessi (10), Zlati (7), and Kaya (4) running around and growing fast!! Maria received tenure and promotion to Associate Professor at Western Oregon University. Francis and family, Daniel, sister Dixie and Eugene along with many family members attended the lovely wedding of sister Yvette and Cecil's son Christopher and Jennifer in June in Toronto. Fantastic Banquet and Chinese Cuisine.










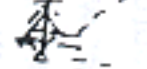
Daniel presented talks in Atlanta (ASM), New Orleans (IFT), Baltimore (LAFP), etc. Catherine and Daniel went to Brazil, Argentina and Paraguay and experienced the fantastic Iguazu Falls. These are truly Huge Falls. When Eleanor Roosevelt saw these Falls she said "Comparing with these Falls, the Niagara Falls are like water faucets in the kitchen sink!" Besides the sights and sounds we attended the 6th International Food Conference in Campinas, Brazil. We then went to France, Spain, and Egypt for more lectures/sightseeing. Spain is like a second home to us as we attended the IV Spanish Microbiology Workshop with Daniel being the key-note speaker. Nile, Pyramids, and libraries in Alexandria were simply magnificent and overwhelming in terms of history and culture. As guests of the National Research Centre in Cairo we learned a lot about Egyptian scientific developments and saw a lot of mummies and works of arts of ancient Egypt. We even visited the place where Jesus, Mary and Joseph stayed when they escaped to Egypt from Israel.

We had a great Quarter Century Workshop Celebration with fireworks, food, fun and great science on the 25th Silver Anniversary of the International Workshop on Rapid Methods and Automation in Microbiology. Catherine was the banquet speaker. This is the longest running workshop at Kansas State University. We even had a Silver medallion crafted for the occasion. We will be very busy in the year of the Dog which signifies Loyalty and Bravery.

We wish you all a very prosperous 2006. Come and join us in:

The 26th International Workshop on Rapid Methods and Automaton in Microbiology
July 14 to 21, 2006 at Kansas State University, Manhattan, Kansas.

THE TRAVELING FUNGS ODYSSEY IN 2005

 CATHERINE
  DANIEL
  FRANCIS
  MARIA
  DESSI
  ZAATI
  KAYA
  PLAMEN
  AIRPLANE
  SHIP



3 poems were published this year:
 Trees, Wind, Clouds;
 Precious moments pass while you scream. #1
 Other people do things for themselves;
 They do not do TO YOU. Live
 Close your eyes; and
 Take a breath; let
 Say a short prayer; live
 Live and Let live.

#2 Songs of A Day #3 Three C's and More Co.



**Rapid Methods & Automation in Microbiology
2006**

Greetings From the Fung's

2006 has been a great year. Our "Christmas Letter" has now become a "Welcome Spring Letter" to coincide with the publication of the Rapid Methods Workshop Pamphlet.

2006 was a Cruising year for Catherine.

1. **Queen Elizabeth 2.** L.A., Honolulu, Pago-Pago, Lautoka, Noumea, Auckland (visited mother Lee and relatives), Tauranga, Wellington and Sydney and then flew home. Daniel went with her from L.A. to Honolulu for her **BirthDay Party** on QE2. Daniel gave lectures at Uni of Hawaii in Honolulu and spent Chinese New Year with sister Elaine and Chris.
2. **Costa Magica.** Fort Lauderdale, N.Y., Le Havre, Dover, Copenhagen, and Brussel then flew to Orlando to join Daniel for the **ASM Annual Meeting** in May.
3. **Crown Princess.** NY City, Bermuda, St. Lucia, St. Thomas, Grand Turk, Puerto Rico and N.Y.
4. **Carnival Destiny.** Puerto Rico, St. Thomas, Barbados, Aruba, and Puerto Rico. Met friends.
5. **Pride of Hawaii.** Honolulu, Oahu, Molokai, Hilo, Maui, Kona, Hawaii and Kauai. Joint Daniel where he did some very neat research on **Water Testing** at U of Hawaii in December.

Catherine and Daniel spent Christmas season with Francis and Maria in Corvallis. Francis is with a consultant company. Maria is the co-chair of the Math department at **Western Oregon University**. Dessi (11), Zlati (9), Kaya (5) and baby Plamen (1) are growing up fast and happy. The entire six-member family went to **Sofia, Bulgaria** to visit grand parents and great-grand parents in the old country in the Summer of 2006. It was a very nostalgic and meaningful trip.

Daniel was a key-note speaker and participant in the following scientific meetings:

March: Key-note speaker at **Food Safety World (D.C.)** and **Food Safety Summit (L.V.)**

May: ASM meeting in **Orlando**. Catherine joined Daniel after her cruise in Europe

June: **Harbin, China** (lovely city near Russia border) and **Boston** on food safety. At IFT in Orlando won the **Carl Fellers Award** for an outstanding career in Food Science.

July: Conducted the **XXVI Rapid Methods Workshop** in **Manhattan, KS**. **Another success!!**

August: **Canadian Meat Council** and **IAFP meetings** in **Calgary, Canada**. Lovely place.

Also went to **Guadalajara, Mexico** for an **International Food Safety Meeting**.

September: Key speaker at **IUFoST meeting** in **Nantes, France**, an ancient charming city.

November: **Food Safety (San Francisco)** and **Public Health (Toronto)** meetings (visited sister **Yvette and Cecil**) and then to **Barcelona**. Received the **Distinguished Professor** title, **Universitat Autònoma de Barcelona** for the successful **Rapid Workshop** in Barcelona.









December: After **Honolulu** and **Corvallis**, back to **Manhattan, KS**, Dec 31. At Midnight celebrated the dropping the **Crystal Ball** in the **Little Apple** at 0.01 a.m. Jan 1, 2007!!

We wish you a very prosperous 2007. Come and join us in

The **XXVII International Workshop on Rapid Methods and Automation in Microbiology**

June 15-22, 2007 at Kansas State University, Manhattan, Kansas

THE TRAVELING FUNGS ODYSSEY IN 2006

 CATHERINE DANIEL
  FRANCIS MARIA
  DESSI
  ZAATI
  KAYA
  PLAMEN
  AIRPLANE
  SHIP



CUNARD



3 poems were published
 Trees, Wind, Clouds;
 Precious moments pass while you scream. #1
 Other people do things for themselves;
 They do not do TO YOU. ← Live
 Close your eyes; ← and
 Take a breath; ← let
 Say a short prayer; ← live
 Live and Let live.

#2 Songs of A Day #3 Three C and more C





**Rapid Methods & Automation in Microbiology
2007**



**Rapid Methods & Automation in Microbiology
2008**



**Rapid Methods & Automation in Microbiology
2009**



**Rapid Methods & Automation in Microbiology
2010**

Sam DeGeer
 Jasdeep Saini
 Jason Crowe
 TINA Daniels
Winto Michael
Miguel
 Reginald W. Bennett
 Jordan Eder
 Rebecca Gerul
 Sarah Han
 Best Wishes!
 Mimi G
 Krista Miller
 Jewish Community Center
 Julie Richter
 Brenda Roth
 (I am not)

This is your time in the sun.

2010 International
 Workshop on Rapid Methods and
 Automation in Microbiology
 KSU




 Enjoy every shining moment.

JOSEPH
 YUSTE

Congratulations Yousef Alsaadi Congrats

Emma Easton



BelAnn & Mike
 Congratulations!

Congratulations!
Leonard

Jordan Russell

Harit & Ved Mishra
 William

(I am not)



EDITOR'S CORNER

Faculty Members and Assistants in the KSU Rapid Methods and Automation in Microbiology Workshop

As the Director of this International Workshop I am grateful to have a cast of outstanding faculty members and assistants working with me to provide a meaningful program for scientists around the world since 1981.

The anchoring faculty members include M.C. Goldschmidt (University of Texas-Houston), N.A. Cox (USDA), and J.S. Bailey (USDA), who have provided valuable lectures and laboratory expertise since the beginning of this series. In more recent years R.W. Bennett (FDA) and P.C. Vasavada (University of Wisconsin-River Falls) joined the group in providing lectures in microbial toxins and food pathogens. Due to the importance of polymerase chain reaction and molecular biology, A.M. McNamara (USDA) was invited to present timely information about these subjects.

Besides these "regular" faculty, P.A. Hartman (Iowa State University), A.N. Sharpe (Health Protection Branch, Canada), and J.Y. D'Aoust (Health and Welfare Canada) gave outstanding lectures as "Keynote" speakers. M.P. Doyle (University of Georgia) is the 1994 "Keynote" speaker.

International scientists from many countries, especially from C. Lahellec's laboratory in France, were invited to present Food Science Seminars prior to the official opening of the Workshop.

The Workshop is also enriched by the appointments of Fellows (Outstanding Graduate Students) and Distinguished Fellows (Faculty Members and Scientists) to act as special assistants and resource scientists during the Workshop. Of course, my own large group of Post-Doc's, Research and Graduate Assistants and Laboratory Personnel provided much needed help in laboratory set-ups and operations.

Industry participants also generously send their scientists and representatives to help demonstrate their systems, kits, and equipment.

All in all, there is almost a 1:1 ratio in terms of "Instructors" versus "Participants" in this Workshop. The entire series has been a very meaningful program in applied food microbiology internationally. The 14th Workshop will occur from July 8 to 15, 1994 at KSU in Manhattan, Kansas.

DANIEL Y.C. FUNG

EDITOR'S CORNER

Fellows and Distinguished Fellows

At the conclusion of the successful 14th International Workshop on Rapid Methods and Automation in Microbiology in July 1994 at Kansas State University (KSU), I would like to comment on the Fellow and Distinguished Fellow programs of the Workshop series.

The **Fellow Program** was developed because we believe in nurturing outstanding degree seeking graduate students from around the nation on this important topic. The Fellows come to KSU two days before the Workshop to assist us in preparing for the Workshop. They participate as full members of the Workshop and stay one more day after the Workshop to help us clean up the laboratories. These Fellows will learn the cutting edge of food microbiological methods, interact with some of the world's leading microbiologists, work with a large and diversified group of applied microbiologists from around the country and, indeed, around the world. Since the beginning of the program in 1987 a number of Fellows have earned their Ph.D. degrees and are placed in responsible positions at universities and in industries.

Fellows of the Workshop

1987 Fellows

Marilyn Hattier (LA State University)
Kathy Richter (University of NE)

1988 Fellows

Margie Lee (University of GA)
Kim Payne (University of TN)
Elliot Ryser (University of WI)

1989 Fellows

Hassan Gourama (University of NE)
Adela Aguirre (University of TX, El Paso)

1990 Fellows

Elaine Berry (University of NE)

1991 Fellows

Dianne L. Peters (University of NE)
W. Payton Pruett, Jr. (Virginia Polytech Institute-State University)

1992 Fellows

Kathy Glass (University of WI-Madison)

Scott Russell (University of GA, Athens)

1993 Fellows

Brian A. Anthony (University of TN)

Mark Bering (University of GA)

MaryAnn Drake (WA State University)

1994 Fellows

Paul Park (University of WI)

Ruth Yong (Purdue University)

The **Distinguished Fellow** program was developed to provide opportunities for outstanding food and applied microbiologists in the USA and from abroad to take part in this Workshop as special guests. These Distinguished Fellows are encouraged to participate in discussions during the Workshop, as well as be resource scientists on specific topics. Occasionally, Distinguished Fellows are asked to present a lecture in the Workshop. The Workshop honors these scientists by appointing them as Distinguished Fellows and in return gains a lot by their presence and expertise.

Distinguished Fellows of the Workshop**1990**

Dr. Stephanie Doores (Penn State University)

Dr. Leroy Blankenship (USDA, Athens, GA)

1991

Dr. Gary R. Acuff (TX A&M University)

Dr. Robert Anderson (University of WV)

1992

Dr. Daniel Fletcher (University of GA)

Dr. Jim Lindsay (University of FL)

1993

Dr. Ann Draughon (University of TN)

Dr. Tibor Deak (Hungary)

Dr. Bernadette Franco (Brazil)

1994

Dr. Mike Davidson (University of ID)

Dr. Thomas Montville (Rutgers, The State University)

EDITOR'S CORNER

GALA 15TH CELEBRATION

What a celebration for the 15th International Workshop on Rapid Methods and Automation in Microbiology in July at Kansas State University!

Scientists from 23 states and 15 countries came to Manhattan, KS and had a great time listening to exciting lectures and had hands-on experiences in the cutting edge of applied microbiology — including many systems heretofore never presented in detail in a workshop situation. The participants went home with a huge Workshop Handbook which we fondly called the “bible” because it is 2 in. thick and more than 5 lbs. in weight. (Incidentally, if you want a copy we still have some and can inform you of the cost to send you the volume.) Also they received another binder with an equally impressive amount of materials given to them from commercial companies.

Besides the great scientific exchanges we had wonderful social events as well. The weather was very hot, but we did have fun in the midst of a very busy schedule. All in all, it was a super celebration. We are now planning for the 16th Workshop (July 12 to 19, 1996) and will be announcing the detailed program in the next issue of this *Journal*. Hope to see you all here in Manhattan, Kansas next year.

DANIEL Y.C. FUNG

To Josep, Welcome to KSU

D. Y. C. Fung
6/27/2000

**Handbook for
Rapid Methods and Automation
in Microbiology Workshop**



International Workshop XIX

A Symposium and Workshop
Shaping the New Millennium
1980-1999

Director: Dr. Daniel Y.C. Fung

1999
Kansas State University
Manhattan, Kansas

EDITOR'S CORNER

20th Gala Anniversary Celebration of the Workshop July 2000

It is a pleasure to report to you that the 19th International Workshop on Rapid Methods and Automation in Microbiology held in July 1999 was a resounding success with people from more than 10 countries and 30 states who came to Manhattan, KS to interact with the scientists and presenters of the latest ideas, concepts, instruments and developments in applied microbiology. Even the weather cooperated — cool and nice!!

Now we are planning the 20th anniversary celebration. On July 6, 2000 we will have a presentation of medals to special people who have influenced the formation and operation of the workshop series since 1981. Then there will be the **Paul A. Hartman Lecture** from a renowned speaker to be selected and then a reception with live music and balloons, etc. The official symposium/workshop will start on July 7 and runs through July 14.

In the celebration we will invite 10 **Alumnus Fellows** to present talks about their experiences with rapid methods in their work places. The application form for being an Alumnus fellow is printed in this issue of the Journal.

Preliminary plans of the celebration is also printed for the reader's information. You are cordially invited to participate in this very meaningful 20th anniversary celebration!!

DANIEL Y.C. FUNG

Handbook for

Gata 20th Anniversary

**Rapid Methods
and Automation
in Microbiology**

International Workshop XX

A Symposium and Workshop Shaping the New Millennium

Kansas State University

1980-2000



Director: Dr. Daniel Y.C. Fung
Kansas State University
Manhattan, Kansas

Gold 20th Anniversary



International Workshop XX

Rapid Methods and Automation in Microbiology

*A Symposium and Workshop
Shaping the New Millennium
1980-2000*

July 6, 2000 Celebration
July 7-14, 2000 Mini-Symposium/Workshop
Kansas State University Manhattan, Kansas

DOE
Division of
Continuing Education
Kansas State University
Rapid Methods and
Automation in Microbiology
Shaping the New Millennium
July 6-14, 2000

Conferences and
Non-Credit Programs
Division of Continuing Education
241 College Court Building
Manhattan, KS 66506-6006



Nonprofit Organization
U. S. POSTAGE
PAID
Permit #136
Manhattan, Kan. 66502

Rapid Methods and Automation in Microbiology XX

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 clinical, 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 20th Anniversary Celebration and a 2-day mini-symposium will be offered as an integral part of the workshop. Workshop participants must attend both the celebration, the symposium and the workshop. Some individuals may opt to attend the celebration and mini-symposium only.

Designed for

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

Visiting Professors



Dr. Millicent C. Goldschmidt, is Professor of the Dental Branch, Dental Science Institute, at the University of Texas Health Science Center in Houston, has authored more than 200 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. She is a Fellow of AAM.



Dr. J. Stanley Bailey, is a Research Microbiologist with the United States Department of Agriculture, a Fellow of AAM and adjunct professor with the Poultry Science Department at the University of Georgia. He was the secretary of the **Microbiology Methods Committee of AOAC** and has published over 300 publications in the areas of poultry microbiology and microbiological methods.

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, Canada, Italy, Republic of China, Singapore, Finland, Iceland, Brazil, Thailand, Colombia, Poland, Hungary, Zimbabwe, Chile, Argentina, Hong Kong, the Philippines and the United States. He has about 600 publications in journals, books, and proceedings, and is the recipient of the **1997 International Award** given by Institute of Food Technologists because of the uniqueness of this workshop series. He is editor of *Journal of Rapid Methods and Automation in Microbiology*, a Fellow of the American Academy of Microbiology (AAM), Institute of Food Technologists, and International Academy of Food Science and Technology. He presented an invited lecture at Pasteur Institute in Paris during the 100th year commemoration of Pasteur's death in 1995.

Assistant Director



Dr. Randall Phebus, associate professor of Food Science at KSU, is the assistant director of the workshop and Vice President of Steris FoodLabs, Inc. He specializes in the **detection of foodborne pathogens** (*E. coli* O157:H7, *Listeria*, *Campylobacter* and *Arcobacter*) and **intervention strategies** (such as steam pasteurization of meat) to reduce pathogens in meat products.

Honorary Visiting Professor

Dr. Nelson A. Cox, a research microbiologist, USDA, He is a well known Poultry Microbiologist and was one of the original lecturers in this workshop series in 1981 and participated in more than 15 workshops.

Guest Lecturers

Reginald Bennett, P.C. Vasavada, Cecile Lahellec, Richard Oberst, Ann Marie McNamara and Scott Russell have been guest lecturers in recent years.

Gala Twentieth International Workshop/Symposium

Rapid Methods and Automation in Microbiology

Kansas State University • July 6–14, 2000

July 6 20th Anniversary Celebration

Thursday All sessions at Holidome (Note 1)

5:00 p.m. Arrival, Registration, Exhibits, Posters (Note 2)

6:30 p.m. Food Science Seminar

"Progress on International Harmonization of Food Microbiology Testing: A European Perspective"

Dr. Cecile Lahellec,
Distinguished Fellow (1985)
Director of Food Hygiene, AFSSA, French Agency for Food Safety, Paris, France

7:30 p.m. Greetings and Welcome

Dr. Jack Riley, Dr. Curtis Kastner,
Dr. Randy Phebus, Dean Marc Johnson and
Dean Beth Unger

Reflections

Dr. Nelson Cox,
Distinguished Founding Fellow (1981)
Dr. Millicent Goldschmidt,
Distinguished Founding Fellow (1981)
Dr. Stan Bailey,
Distinguished Lecturer and Fellow (1984)

Presentation of Medallions

Dr. Daniel Y. C. Fung, *Director* and
Distinguished Founding Fellow (1980)

8:00 p.m. **Paul A. Hartman Memorial Lecture**
"Detecting Viruses and Protozoa—The 'Other' Foodborne Disease Agents"

Dr. Dean O. Cliver,
Distinguished Lecturer (2000)
Professor, University of California–Davis

9:00 p.m. **Celebration with Food, Spirit,
Fun and Music**

July 7

Friday

**Symposium I.
Molecular Detection Approaches**
All Sessions at Holidome

8:30 a.m. "Molecular Basis for Definitive
Identification of Microbes"

Prof. Dr. Karl H. Schleifer,
Distinguished Fellow (2000)
Head, Dept of Microbiology,
Univ. of Munich, Germany

9:30 a.m. "In Situ Identification of Bacteria Using
rRNA—Targeted Probes"

Dr. Vijay K. Juneja, *Alumnus Fellow* (1995)
Lead Scientist, USDA, Philadelphia, PA

10:00 a.m. "Rapid PCR Method to Detect Food Yeasts"

Dr. Tibor Deak, *Alumnus Fellow* (1993)
Head, Dept of Microbiology,
Univ. of Horticulture, Budapest, Hungary

10:30 a.m. Coffee Break—Visit Exhibits and Posters

11:00 a.m. "PCR Confirmation Testing of Culture
Isolates: Post Harvest Concerns"

Dr. Ingrid Feder, *Alumnus Fellow* (1996)
Research Associate, Vet Medicine,
Kansas State University

11:30 a.m. "Biosensors and Rapid Methods"

Dr. Linda Yu, *Alumnus Fellow* (1988)
Microbiologist, USDA, Philadelphia, PA

12:00 noon Lunch your own—Restaurants in Holidome
and Close Proximity

1:30 p.m. **Symposium II.**

Novel and New Approaches

"Eggborne Transmission of
Campylobacter jejuni from the
Mother Hen to Her Offsprings"

Dr. Nelson A. Cox,
Distinguished Founding Fellow (1981)
Research Microbiologist, USDA,
Athens, GA

2:30 p.m. "Microbiological Analysis of Vegetable
Proteins Using Conductance/Malthus 2000"

Cesar A. C. Conde, *Alumnus Fellow* (1986)
Food Safety Manager, Santista,
Sao Paulo, Brasil

3:00 p.m. Coffee Break—Visit Exhibits and Posters

3:30 p.m. "Rapid Microbiological Assay for Lysine
bioavailability in Poultry feeds"

Dr. Steve Ricke, *Alumnus Fellow* (1999)
Associate Professor, Texas A & M,
College Station, TX

4:00 p.m. "New Rapid Methods to Detect *Salmonella*
in Food Products"

Dr. Anne Brisabois, *Alumnus Fellow* (1997)
Head, Microbiology Unit, Epidemiology of
Bacteria, AFSSA, Paris, France

4:30 p.m. "Use of Rapid Methods in Swine Slaughter and Carcasses Dressing Operations"
 Dr. Sam Palumbo, *Alumnus Fellow* (1996)
 Research Microbiologist, USDA,
 Philadelphia, PA

5:00 p.m. "Rapid Analytical Microbiology—It's Academic!"
 Dr. Julian Cox, *Alumnus Fellow* (1999)
 Lecturer, Dept Food Sci and Tech,
 University of New South Wales,
 Sydney, Australia

5:30 p.m. Wine and Cheese reception—
 Visit Exhibits and Posters

7:00 p.m. **Workshop and Mini-Symposium**
Opening Banquet (Great Kansas Beef)
 After dinner Speech
 "Dinosaurs, Microbes, and Entrepreneurs:
 Research Universities in Y2K"
 Dr. R. W. Trewyn, Dean of Graduate School
 and Vice Provost for Research
 Kansas State University
 Aggieville—On your own!

July 8
Saturday

Symposium III.
Practical Application of Rapid Methods
 Morning Sessions in Holidome.
 Afternoon Workshop in Call Hall

8:30 a.m. "Application of Rapid Methods in the Food Industry"
 Pall Hall, *Alumnus Fellow* (1990)
 Director of Quality Assurance, Kraft Foods,
 Glenview, Ill

9:00 a.m. "Practical Application of Rapid Methods in Thailand"
 Dr. Pravate Tuitemwong,
Alumnus Fellow (1990)
 Asso. Prof., Food Sci Tech., KMUT
 Thonburi, Thailand
 Dr. Kooranee Tuetemwong,
Alumnus Fellow (1990)
 Assist. Prof., Dept. Microbiol., Kasetsart
 Univ., Bangkok, Thailand

9:30 a.m. "Rapid Methods for *Campylobacter* and Related Microbes: 10 year Experience"
 Hugo Coignau, *Alumnus Fellow* (1987)
 Medical Technician, U.M.C. Sint Pieter,
 Brussel, Belgium

10:00 a.m. Coffee Break—Visit Exhibits and Posters

10:30 a.m. "Automation and Rapid Methods in a Regulatory Agency Laboratory"
 Mark D. Pratt, *Alumnus Fellow* (1988)
 Supervisory Microbiologist, USDA
 Midwestern Lab., St. Louis, MO

11:00 a.m. "Use of Rapid Methods for Shelf Life Testing at Cryovac"
 Dr. Debbie L. Hoyt, *Alumnus Fellow* (1997)
 Associate Food Tech, Cryovac North
 America, Duncan, SC

11:30 a.m. "Microbial Food Safety Risk Assessment"
 Dr. Anna M. Lammerding,
Alumnus Fellow (1984)
 Chief, Microbial Food Safety Risk
 Assessment, Health Canada,
 Guelph, Canada

12:00 noon Review of Immunology (Optional)
 with Luncheon
 Dr. Millicent Goldschmidt,
Distinguished Founding Fellow (1981)
 Professor, Dental School,
 Univ. Texas at Houston

1:00 p.m. **End of Mini-symposium,**
Exhibits and Posters

1:30 p.m. **Start of the Workshop at Call Hall,**
Kansas State University Campus
 Transportation from Holidome to Call Hall
 will be available



Note:

1. Arrival—At Manhattan Municipal Airport, call Holiday Inn (direct phone line in baggage area) for Courtesy Van to Holidome or KSU dormitory. If you rent a car be sure to obtain KSU parking permit from Dr. Fung starting Monday, July 10.
2. Poster Session—Please indicate on the registration form if you wish to present a scientific poster at the Mini-Symposium. A space will be available for display of posters. A certificate of participation will be issued to the senior author. Top three posters will win awards.

International Rapid Methods and Automation in Microbiology Workshop XX Agenda*

Director: Dr. Daniel Y.C. Fung • Assistant Director: Dr. Randy Phebus

Thursday, Friday and Saturday

July 6–8, 2000

Mini-Symposium**

Workshop Commences July 8, 2000

Afternoon Laboratory: Viable Cell Counts—Conventional, Petrifilm, Redigel, ISOGRID, Spiral, Olympus, DIFCO, Charm Sciences, Inc. Ecolite products, Oxyrase.

• Workshop and Mini-Symposium Reception

Sunday

July 9, 2000

Morning lecture: Comparative Analysis of Diagnostic Kits (Dr. J.S. Bailey and Dr. Scott Russell)

Afternoon Laboratory: API, MicroID, Enterotube, Biolog, Crystal, Neogen, Oxyrase, Spiral Biotech, DNA Probe (Gene-Trak)

Monday,

July 10, 2000

Morning Lecture: Food Pathogens—*Salmonella*, *Campylobacter*, *Yersinia*, Hemorrhagic *E. coli*, etc. (Dr. Bailey, Dr. Russell)

Afternoon Laboratory: Biocontrol Products, Tecra (International BioProducts), Neogen, VIDAS (bioMerieux, Inc.), Celsis, SPS Air Sampler, Bioscience International, Molecular Circuitry (DETEX)

Tuesday

July 11, 2000

Morning Lecture: Mechanization, New approaches, Sophisticated light scattering detection systems, Impedance, Conductance (Dr. M.C. Goldschmidt)

Afternoon Laboratory: Microbiology International, RABIT, Zylux, MicroBioLogics, New Horizons Diagnostic, ELISA (Organon Teknika), IDEXX, Diffchamb

• Workshop Picnic

Wednesday

July 12, 2000—Molecular Food Microbiology Day

Morning Lecture: Radiometry, Microcalorimetry, ATP detection (Dr. M.C. Goldschmidt), PCR lecture (Dr. Dick Oberst)

Afternoon Laboratory: Bax, RiboPrinting, Perkin Elmer, Probelia experiments at the KSU Veterinary College

• Workshop Farewell Banquet

Thursday

July 13, 2000

Morning Lecture: Emerging Pathogens (Dr. Russell, Dr. P.C. Vasavada)

Afternoon Laboratory: Detection of emerging pathogens, Conventional vs. rapid methods, MUG, Motility, VICAM, Promega, Oxoid, Dynal, Chemunex, EiaFoss, BioTrace

Friday

July 14, 2000

Morning Lecture and Laboratory: Rapid detection of microbial toxins (Reginald Bennett), novel microbiological tests
A look into the future, Presentation of certificates

• Noon: Departure

*The participation of commercial companies and speakers are in the negotiation stage.

**A celebration and mini-symposium occurs on July 6, 7, and 8.

• A room for Scientific Poster Sessions will be available. Poster Competition and Awards will be given.

Introducing an Opportunity to Share in the Rapid Methods and Automation in Microbiology Resources on the Web

The site features past workshop highlights, current information, microbiology links, and resources.

Browse the pages at

<http://www.dce.ksu.edu/dce/conf/microbiology/>

Social Activities

A celebration, welcome and farewell receptions, one lunch, three banquets, and a midweek picnic are planned. Informal, optional dinner meetings will be arranged. Spouses are welcome to attend at no charge except for ticketed events. Due to hot weather, casual dress during the workshop is recommended. You may wish to wear coats and ties/dresses to the banquets.

Location

The Rapid Methods and Automation in Microbiology Symposium/Workshop will be held at the **Holiday Inn/Holidome** in Manhattan, Kansas, and **Call Hall** with a newly renovated modern laboratory and excellent lecture halls, on the Kansas State University campus.

Transportation

Manhattan has an airport served by U.S. Air-Express. The charming city is approximately 130 miles west of Kansas City on Interstate Highway 70, a scenic drive of about two and one-half hours. KCI Roadrunner/Travelers Express is an airport van shuttle service which runs between the Kansas City International Airport and Manhattan. For schedule information and reservations, call toll free in the United States 1-800-747-2524, from outside the United States call 1-785-539-2284, or contact your travel agent. Reservations are recommended.

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 1-785-539-5311, FAX: 1-785-539-8368.** The rate for a single or double room is \$67 plus tax per night. Please make reservations before **June 21, 2000**, to receive the reduced rate.

Campus student residence hall facilities featuring single rooms with bathroom facilities on each corridor are also available for workshop participants. Reservations include 8 nights (Thursday through Thursday) and 8 optional breakfasts (Friday through Friday). Additional nights are also available. Transportation will be furnished to and from the Holiday Inn. For more information or a reservation for campus residence halls, call 1-785-532-5569.

The deadline for reservations is June 21, 2000.

Workshop Fees

The registration fee for the 2000 *Rapid Methods and Automation in Microbiology Workshop* is \$1,695 (includes the celebration and mini-symposium). This includes nine days of program sessions and laboratories, all handout materials, and a one year subscription to *Journal of Rapid Methods and Automation in Microbiology*. Also included are three 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 Celebration and Mini-Symposium of July 6, 7, and 8 is \$455. The fee includes all sessions, handouts, coffee breaks, one lunch, celebration, symposium banquet, and a reception.

University Credit

Two hours of graduate credits (optional) are available for an additional \$268.80

CEU's

Each participant will receive a Certificate of Participation upon completion of the workshop. Optional CEU's are also available for an additional \$15. Mark the appropriate section of your registration form if you wish to receive these optional CEU's.

Bank/Wire Transfer

Wire transfers must include an additional \$20 to cover wire transfer costs. Be sure to attach a copy of the bank remittance to your Registration Form so the funds can be credited to your registration.

Account Name: State Fee Acct. Account No.: 670106232 Commerce Bank 727 Poyntz Ave. Manhattan, KS 66502 785-537-1234 Routing No.: 10-1100540 Sort or Swift Code: CBKCUS44

Registration Information

The workshop registration fee, less a \$50 handling charge, will be cheerfully refunded if notice of cancellation is received on or before **June 21, 2000**. Thereafter, a 75 percent refund will be made.

Questions

If you have questions concerning the workshop scientific content or format, contact Dr. Daniel Y.C. Fung at

Department of Animal Sciences & Industry
Kansas State University
Manhattan, KS 66506
Tel: (785) 532-5654
Fax: (785) 532-5681
E-Mail: dfung@oz.oznet.ksu.edu

Questions concerning registration or general information should be directed to the Rapid Methods and Automation in Microbiology Program Coordinator at **1-800-432-8222** (in the U.S.) or 1-785-532-5575 (outside the U.S.).

Fast, Easy Registration



Online Registration: <http://www.dce.ksu.edu/dce/conf/microbiology>



By Phone—Call us now at 1-800-432-8222 or (785) 532-5569 and ask for Non-Credit Programs Registration. Office hours: Mon.–Fri., 8 am to 5 pm CST.



By Mail—Send registration form to Microbiology, 131 College Court Building, Kansas State University, Manhattan, KS 66506-6015.



By Fax—Fax the registration form to (785) 532-5637. Attn: Microbiology.

Cancellation Policy

The Division of Continuing Education may cancel or postpone any course or activity because of insufficient enrollment or other unforeseen circumstances. If a program is canceled or postponed, the Division of Continuing Education will refund registration fees but cannot be held responsible for other costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies.

Limited Enrollment

Enrollment in the Workshop is limited. Please register as soon as possible to guarantee your enrollment.

There is no enrollment limit for the Celebration and Mini-Symposium. (July 6, 7, and 8)

Web Site

Program and registration information is available via the World Wide Web at <http://www.dce.ksu.edu/dce/conf/microbiology>

For other continuing education opportunities, visit the KSU Division of Continuing Education web site at <http://www.dce.ksu.edu>

Letter of Invitation

If you require a visa to enter the United States and need a letter of invitation to the workshop, please let us know. (*This letter of invitation will be faxed to you or sent to you via E-mail. We will not send original letters to embassies or provide assistance in securing a visa.*)

Previous Participants

Participants in the 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999 workshops, came from 45 states in the United States, Algeria, Argentina, Australia, Belgium, Brazil, Canada, Chile, Colombia, Denmark, Egypt, El Salvador, Finland, France, Germany, Great Britain, Guatemala, Guyana, Honduras, Hong Kong, Hungary, Iceland, Indonesia, Iran, Iraq, Ireland, Israel, Italy, Jamaica, Japan, Jordan, Korea, Macedonia,

Mexico, The Netherlands, New Zealand, Norway, Pakistan, Phillipines, Portugal, People's Republic of China, Russia, Saudi Arabia, Singapore, Spain, Sweden, Taiwan, Thailand, Turkey, Venezuela, and the West Indies.

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. Daniel Y.C. Fung for details. **Application deadline: April 15, 2000.**

Fellows

1987: Marilyn Hattier, Kathy Richter; 1988: Margie Lee, Kim Payne, Elliot Ryser; 1989: Hassan Gourama, Adela Aguirre; 1990: Elaine Berry; 1991: Dianne Peters, W. Payton Pruett, Jr., Kishore D. Rane; 1992: Kathleen Glass, Scott M. Russell; 1993: Brian A. Anthony, Mark Berrang, Mary Ann Drake; 1994: Paul Park, Ruth Yong; 1995: Lisa Flores, Jean Schoeni; 1996: Sally Foong, Peter Gabor, Gary Scott; 1997: Fu-Chi Hsu, Sekulovski V. Paule, Eric Wong; 1998: Indauê G. Mello, Eliane Santos, Semir Loncarevic; 1999: William Shaw, Robert Williams, Jintanart Wongchavalit.

Distinguished Fellows

1990: Dr. Stephanie Doores, Dr. Leroy Blankenship; 1991: Dr. Robert Anderson, Dr. Gary Acuff; 1992: Dr. Daniel L. Fletcher, Dr. James A. Lindsay; 1993: Dr. Ann Draughon, Dr. Tibor Deak, Dr. Bernadette Franco; 1994: Dr. Thomas Montville, Dr. Michael Davidson; 1995: Paul Hall, Dr. Victor Lachica; 1996: Dr. Steve Knabel, Dr. John Sofos; 1997: Dr. Eric Line, Dr. Leora Shelef; 1998: Dr. Lee-Ann Jaykus, Dr. Gregory Siragusa; 1999: Dr. Julian Cox, Dr. Doug Marshall, Dr. Steven Ricke.

Special Assistance

Kansas State University is committed to making program activities accessible to all participants. If you have special requirements due to disabilities or dietary restrictions, indicate your needs on the registration form or contact the Division of Continuing Education Registrar at (785) 532-5566 at least three weeks before the start of the program. After this date, we will make every effort to provide the assistance, but cannot guarantee that requested services will be available.

Notice of nondiscrimination

Kansas State University is committed to a policy of nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other nonmerit reasons, in admissions, educational programs or activities, and employment (including employment of disabled veterans and veterans of the Vietnam Era), 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, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act, has been delegated to Jane D. Rowlett, Ph.D., Director of Unclassified Affairs and University Compliance, Kansas State University, 225 Anderson Hall, Manhattan, KS 66506-0124 (785-532-4392).

15584-1299-11.5M

Registration Form—Rapid Methods and Automation in Microbiology XX

- First Name Middle Initial Family or Last Name
(EXACTLY as you wish it to appear on certificate)
- Job Title (Please be specific)
- Company, Agency, or University, etc.
- Address
- City, State, ZIP Code, Country
- Telephone • FAX
(include country and area codes for both numbers)
- e-mail
- Male Female

Assistance for Participants with Disabilities/Dietary Requirements
In order to assist you, please indicate by June 21, 2000 any special requirements and assistance needed.

- I request vegetarian meals. (Due to guarantees which must be given in advance, changes cannot be permitted at the conference/workshop, etc.)

- Poster Presentation Yes No
8 feet x 4 feet maximum

Senior Author of Poster: _____

- _____ \$1,695 Workshop registration fee (includes the celebration and mini-symposium, July 6–8)
- _____ \$455 Celebration and Mini-Symposium only (July 6–8)
- _____ \$268.80 Two Hours Graduate Credit (optional)
- _____ \$20 Bank Wire Transfers Fee
- _____ \$15 CEU's (optional)

Method of Payment

- Check (payable to Kansas State University)
- Invoice my company at the address on form
- Charge to: MasterCard Visa
- Bank Wire Transfer

_____ Print Cardholder's Name Cardholder's Signature
_____ Card Number Expiration Date

To register by telephone, call **1-785-532-5569** and ask for conference registration. Or FAX your registration to us at **1-785-532-5637** or E-mail info@dce.ksu.edu.

Roster Release

_____ Initial here if you do not want your name on the participant roster for this program.

Return this form to:

Rapid Methods and Automation in Microbiology—Registration
Kansas State University Division of Continuing Education
131 College Court Building
Manhattan, KS 66506-6015 USA

cut and mail (keep a copy)

See this brochure on the World Wide Web at <http://www.dce.ksu.edu/dce/conf/microbiology>

Manhattan, Kansas





A Tribute to Dr. Daniel Y.C. Fung

Thirteen years ago I came to KSU
To learn about rapid methods in microbiology and all that was new.
At the first night's reception, I met the infamous Dr. Nelson Cox.
He said, "Becky Brown from VITEK-we'll be shipping your liver home in a box!"
Then came Stan Bailey who promptly labeled Vince Atrache and me
"dunces."
Dr. Mimi Goldschmidt warned us in her complete automation methodology lectures she'd tolerate no stunts.

However, it was you and your workshop I'd heard so much acclaim.
Participants came from so many places of personality wild and tame.
By ship, by plane, and even by car
Workshop attendees come from distances near and far.

Twenty years ago you had a spectacular vision
About the fate of microbiology and a soon-to-be collision.
Automation and every kind of rapid method galore
Would change the scope of the microbiology we practice-that's for sure.

Along the way you've taught students too numerous to add
From eager-to-learn undergraduates to dedicated grads.
You've helped other academics, government, industry and more.
You're a worldwide ambassador visiting more countries than I can score.

Your lovely family has always provided you support.
We look forward to news of Catherine, Francis and growing family in your annual report.
Your workshop has helped us make new friends and cherish the old
While we share new ideas about rapid microbiology that are sometimes novel and quite bold.

Happy 20th Anniversary, Dan-we thank you for what you teach
Your workshop is a small gem and motivates us to reach.
We celebrate you and the workshop and send up big cheers
To our good friend, Dan Fung, dedicated and dear!

*all the best,
Becky Brown*

bioMérieux, Inc.

EDITOR'S CORNER

What a Celebration!

It is a great pleasure to inform the readers of this Journal that the Gala 20th Anniversary Celebration of the International Workshop on Rapid Methods and Automation in Microbiology, July 6 to 14, 2000 at Kansas State University was a complete success when about 150 scientists and friends from 17 countries and 23 states came to the celebration. Some attended the Mini-Symposium and the majority of the participants continued on for the intensive hands-on workshop. It was a truly moving experience for the hosts, Daniel Y.C. Fung and Catherine L. Fung, who started this workshop series in 1981. How time flies. In a blink of the eyes 20 long years have gone by. So many people, so many memories, so many happenings went through our minds as we listened to reflections by friends and colleagues in the opening celebration session. Our eyes were misty in all the wonderful words said, all the plaques and presents given, and all the acclaims accorded to us by great colleagues and friends.

Of course, the success of the workshop series is the cumulative efforts of many, many people, including:

Kansas State University officials and administrators

Colleagues working with me on a daily basis

KSU Continuing Education Department personnel

National and international renowned visiting professors and lecturers

My large and dedicated group of graduate students, research associates, helpers, and secretaries

Diagnostic kit, system, instrument, and equipment related Industry Companies

Participants, students, and guests—since 1981 more than 2,000 scientists have participated in this workshop series from 55 countries and 46 States.

Family support. Our son, Francis, was with the workshop from the very beginning and participants have seen him grow from a little boy to a Ph.D. from Princeton University and now a family man with a loving wife, a daughter and a one year old little boy.

In the 20th Gala celebration we had Cecile Lahellec from France who gave a Food Science lecture followed by the Paul A. Hartman Memorial Lecture by Dean O. Cliver of UC-Davis. A beautiful gold medallion was struck for the occasion and presented to all speakers and participants. The group picture is enclosed to show the festivity of the celebration. The following two days we invited 15 past participants to give lectures as alumni fellows. It was great to hear the experiences

they had since they left the workshop. Some of them participated in the workshop more than 15 years ago. The regular workshop followed after the Mini-Symposium. During the workshop great talks were presented by Nelson Cox, Millicent Goldschmidt, Stan Bailey, Reginald Bennet, P.C. Vasavada, Scott Russell, Randy Phebus, Richard Obsert, Karl Schleifer, Ron Trewyn, and others.

Many exciting presentations, experiments and demonstrations were presented by experts from industry. It was truly a wonderful interaction of academic, industries, and government scientists in a most intense workshop.

Oh yes, we had a lot fun too which included the opening reception with a dance band, a couple of banquets, dinners, a picnic, a talent show, and a swimming pool farewell party. The group even spent an evening at the Fung home for a garden dinner party which featured a whole hog roast and some great Chinese food orchestrated by the Fungs and graduate students.

All in all it was an experience not to be forgotten.

The 21st workshop will be from July 6 to 13, 2001. I hope many of you can come to continue the celebration with us in science, food, fun, and great camaraderie.

DANIEL Y.C. FUNG
Editor



**GALA 20TH ANNIVERSARY CELEBRATION OF THE INTERNATIONAL WORKSHOP ON RAPID METHODS AND AUTOMATION IN
MICROBIOLOGY AT KANSAS STATE UNIVERSITY, JULY 6, 2000**
Hosts: Dr. Daniel Y.C. Fung (bow tie in Front) and Dr. Catherine L. Fung

21st Annual



International Workshop XXI

Rapid Methods and Automation in Microbiology

July 6-13, 2001 Mini-Symposium/Workshop
Kansas State University Manhattan, Kansas

*A Symposium and Workshop
Shaping the New Millennium
1980-2001*

Nonprofit Organization
U. S. POSTAGE
PAID
Permit #136
Manhattan, Kan. 66502

Continuing Learning
Division of Continuing Education
241 College Court Building
Manhattan, KS 66506-6006



Rapid Methods and
Automation in Microbiology XXI
Shaping the New Millennium
July 6-13, 2001



Rapid Methods and Automation in Microbiology XXI

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 clinical, 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 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 mini-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, Canada, Israel, Italy, Republic of China, Singapore, Finland, Iceland, Brazil, Thailand, Colombia, Poland, Hungary, Zimbabwe, Chile, Argentina, Hong Kong, the Philippines and the United States. He has about 600 publications in journals, books, and proceedings, and is the recipient of the **1997 International Award** given by Institute of Food Technologists because of the uniqueness of this workshop series. He is editor of *Journal of Rapid Methods and Automation in Microbiology*, a Fellow of the American Academy of Microbiology (AAM), Institute of Food Technologists, and International Academy of Food Science and Technology. He presented an invited lecture at Pasteur Institute in Paris during the 100th year commemoration of Pasteur's death in 1995. He conducted the XX Gala Anniversary Celebration of this workshop in July 2000 and designed a gold medallion for the historic event.

Visiting Professors



Dr. Millicent C. Goldschmidt, is Professor of the Dental Branch, Dental Science Institute, at the University of Texas Health Science Center in Houston, has authored more than 200 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. She is a Fellow of AAM.



Dr. J. Stanley Bailey, is a Research Microbiologist with the United States Department of Agriculture, a Fellow of AAM and adjunct professor with the Poultry Science Department at the University of Georgia. He was the secretary of the **Microbiology Methods Committee of AOAC** and has published over 300 publications in the areas of poultry microbiology and microbiological methods.

Assistant Director



Dr. Randall Phebus, associate professor of Food Science at KSU, is the assistant director of the workshop and Vice President of Steris FoodLabs, Inc. He specializes in the **detection of foodborne pathogens** (*E. coli* O157:H7, *Listeria*, *Campylobacter* and *Arcobacter*) and **intervention strategies** (such as steam pasteurization of meat) to reduce pathogens in meat products.

Honorary Visiting Professor

Dr. Nelson A. Cox, a research microbiologist, USDA, He is a well known Poultry Microbiologist and was one of the original lecturers in this workshop series in 1981 and participated in more than 15 workshops.

Guest Lecturers

Reginald Bennett, P.C. Vasavada, Cecile Lahellec, Richard Oberst, Ann Marie McNamara and Scott Russell have been guest lecturers in recent years.

Twenty-First International Symposium/Workshop

Rapid Methods and Automation in Microbiology

Kansas State University • July 6–13, 2001

July 5, Thursday	Arrival (Note 1)	7:00 p.m.	Workshop and Mini-Symposium Opening Banquet (Great Kansas Beef) After Dinner Speech "Mumm . . . Mumm . . . Good" Dr. Ralph Richardson, Dean of Veterinary Medicine Kansas State Univeristy Aggieville—On your own!
July 6, Friday	All sessions in Holiday Inn		
11:00 a.m.	Food Science Seminar "Salmonella in Pork Production in France." Dr. Philippe Fravallo, AFSSA, Paris, France		
Noon	Registration Visit Exhibits and Posters (Note 2)		
1:00 p.m.	Welcome Remarks Dr. Jack Riley, Department Head Dr. Curtis Kastner, Research Coordinator Animal Sciences and Industry Kansas State University	July 7, Saturday 8:30–10:00 a.m.	Morning Sessions at Holiday Inn "Historical Perspective of Rapid Methods and Automation in Microbiology" "Miniaturized Microbiological Methods" "Comparative Analyses of Viable Cell Counts" Dr. Daniel Y.C. Fung, Director
1:15 p.m.	Paul A. Hartman Memorial Lecture "Detection of Foodborne Pathogens in Fresh Produce" Dr. Larry Beuchat, University of Georgia, Griffin.	10:00–10:30 a.m.	Coffee Break Visit Exhibits and Posters
2:15–3:00 p.m.	Coffee Break Visit Exhibits and Posters	10:30–11:30 a.m.	Open Discussion on Needs and Experiences of Rapid Methods Dr. Randy Phebus, Assistant Director, Discussion Leader
3:00–4:00 p.m.	Distinguished Fellow Lecture "Molecular Surveillance and Automated Methods for Characterization of Antibiotic Resistance Genes in Foodborne Pathogens." Dr. Seamus Fanning, Molecular Diagnostic Unit, Cork Institute of Technology, Cork, Ireland	11:30 a.m.– 1:00 p.m.	Luncheon and Review of Immunology (Optional) Dr. Millicent C. Goldschmidt Visit Exhibits and Posters
4:00–5:00 p.m.	Distinguished Fellow Lecture "Rapid Detection of <i>Listeria monocytogenes</i> and Food Safety" Dr. Catherine Donnelly, Professor and Interim Dean The University of Vermont, Burlington, VT.	1:00 p.m.	End of Mini-Symposium, Exhibits and Posters
5:00–7:00 p.m.	Wine and Cheese Reception Visit Exhibits and Posters.	1:30 p.m.	Start of the Workshop (Call Hall, KSU Campus) Review of Conventional Methods and Organization of Laboratory Sessions
		2:30–5:00 p.m.	Workshop Laboratory Work Commences
		7:00 p.m.	Workshop and Mini-Symposium Reception at the home of Dr. Catherine L. Fung Dr. Daniel Y.C. Fung

Note:

- 1. Arrival**—At Manhattan Municipal Airport, call Holiday Inn (direct phone line in baggage area) for Courtesy Van to Holidome or KSU dormitory. If you rent a car be sure to obtain KSU parking permit from Dr. Fung starting Monday, July 9.
- 2. Poster Session**—Please indicate on the registration form if you wish to present a scientific poster at the Mini-Symposium. A space will be available for display of posters. A certificate of participation will be issued to the senior author. Top three posters will win awards.

Saturday, July 7, 2001*

Afternoon Laboratory: Viable Cell Counts—Conventional, Petrifilm, Redigel, ISOGRID, Oxyrase, MicroBioLogics, Olympus, Becton Dickinson BioScience, Charm Sciences, Inc., Ecolite Products, Remel

Sunday, July 8, 2001

Morning Lecture: Comparative Analysis of Diagnostic Kits (Dr. J.S. Bailey and Dr. Scott Russell)

Afternoon Laboratory: API, MicroID, Enterotube, Biolog, Crystal, Neogen, Oxyrase, Spiral Biotech, DNA Probe (Gene-Trak)

Monday, July 9, 2001

Morning Lecture: Food Pathogens—*Salmonella*, *Campylobacter*, *Yersinia*, Hemorrhagic *E. coli*, etc. (Dr. Bailey, Dr. Russell)

Afternoon Laboratory: BioControl Products, Tecra (International BioProducts), Neogen, VIDAS (bioMerieux, Inc.), Celsis, SAS, Air Sampler, Bioscience International, EM Scientific, Merck

Tuesday, July 10, 2001

Morning Lecture: Mechanization, New approaches, Sophisticated light scattering detection systems, Impedance, Conductance (Dr. M.C. Goldschmidt)

Afternoon Laboratory: Microbiology International, RABIT, Zylux, MicroBioLogics, New Horizons Diagnostic, ELSIA (Organon Teknika), Diffchamb, Detex (Molecular Circuitry, Inc.), Millipore, Umedik

• Workshop Picnic •

Wednesday, July 11, 2001—Molecular Food Microbiology Day

Morning Lecture: Radiometry, Microcalorimetry, ATP Detection (Dr. M. C. Goldschmidt), PCR lecture (Dr. Dick Oberst)

Afternoon Laboratory: Qualicon Bax, Riboprinting, Perkin Elmer, Probelia, BioteCon Diagnostics, Inc. Experiments at the KSU Veterinary College

• Workshop Farewell Banquet •

Thursday, July 12, 2001

Morning Lecture: Emerging Pathogens and Competitive Exclusions (Dr. Russell, Dr. P.C. Vasavada)

Afternoon Laboratory: Detection of emerging pathogens, Conventional vs. Rapid Methods, MUG Motility, Oxoid, Dynal, Chemunex, EiaFoss, and BioTrace

Friday, July 13, 2001

Morning Lecture and Laboratory: Rapid detection of microbial toxins (Reginald Bennett), novel microbiological tests. A look into the future, Presentation of Certificates

Noon: Departure

* The participation of Commercial companies and speakers are in the negotiation stage.

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 to attend at no charge except for ticketed events. Due to hot weather, casual dress during the workshop is recommended. You may wish to wear coats and ties/dresses to the banquets.

Location

The Rapid Methods and Automation in Microbiology Symposium/Workshop will be held at the **Holiday Inn/Holidome** in Manhattan, Kansas, and **Call Hall** with a newly renovated modern laboratory and excellent lecture halls, on the Kansas State University campus.

Transportation

Manhattan has an airport served by U.S. Air-Express. The charming city is approximately 130 miles west of Kansas City on Interstate Highway 70, a scenic drive of about two and one-half hours. KCI Roadrunner/Travelers Express is an airport van shuttle service which runs between the Kansas City International Airport and Manhattan. For schedule information and reservations, call toll free in the United States 1-800-747-2524, from outside the United States call 1-785-539-2284, or contact your travel agent. Reservations are recommended.

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 1-785-539-5311, FAX: 1-785-539-8368.** The rate for a single or double room is \$70 plus tax per night. Please make reservations before **June 22, 2001**, to receive the reduced rate.

Campus student residence hall facilities featuring single rooms with bathroom facilities on each corridor are also available for workshop participants. Reservations include 8 nights (Thursday through Thursday) and 8 optional breakfasts (Friday through Friday). Additional nights are also available. Transportation will be furnished to and from the Holiday Inn. For more information or a reservation for campus residence halls, call 1-785-532-5569. **The deadline for reservations is June 22, 2001.**

Workshop Fees

The registration fee for the 2001 *Rapid Methods and Automation in Microbiology Workshop* is \$1,755 (includes the mini-symposium). This includes eight days of program sessions and laboratories, all handout materials, and a one year subscription to *Journal of Rapid Methods and Automation in Microbiology*. 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 6, and 7 is \$455. The fee includes all sessions, handouts, coffee breaks, one lunch, symposium banquet, and a reception.

University Credit

Two hours of graduate credits (optional) are available for an additional \$286.

CEU's

Each participant will receive a Certificate of Participation upon completion of the workshop. Optional CEU's are also available for an additional \$15. Mark the appropriate section of your registration form if you wish to receive these optional CEU's.

Bank/Wire Transfer

In the bank/wire transfer, be sure to include Division of Continuing Education, Rapid Methods and Automation in Microbiology and your last name.

Account Name: State Fee Acct.
Account No.: 40180123
Intrust Bank
630 Humboldt
Manhattan, KS 66502
785-565-5400
Routing No.: 101100029
Sort or Swift Code: CBKCUS44

Registration Information

The workshop registration fee, less a \$50 handling charge, will be cheerfully refunded if notice of cancellation is received on or before **June 22, 2001**. Thereafter, a 75 percent refund will be made.

Questions

If you have questions concerning the workshop scientific content or format, contact Dr. Daniel Y.C. Fung at Tel: (785) 532-5654, Fax: (785) 532-5681, or E-Mail: dfung@oznet.ksu.edu

Questions concerning registration or general information should be directed to the Rapid Methods and Automation in Microbiology Program Coordinator at **1-800-432-8222** (in the U.S.) or 1-785-532-5575 (outside the U.S.).

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. Daniel Y.C. Fung for details. **Application deadline: April 15, 2001.**

The Rapid International Microbiology Family

Previous Participants, numbering about 2,000 scientists from 1981 to 2000, came from 55 countries and 46 states of United States.

Since 1990, 24 internationally known scientists were designated as **Distinguished Fellows**. Since 1987, 36 outstanding graduate students and scholars were named **Fellows**.

In the 20th anniversary celebration 15 previous participants were named **Alumnus Fellows** for their special lectures in the Gala occasion.

Fast, Easy Registration



Online Registration: <http://www.dce.ksu.edu/dce/cl/microbiology/>



By Phone—Call us now at 1-800-432-8222 or (785) 532-5569 and ask for Non-Credit Programs Registration. Office hours: Mon.–Fri., 8 am to 5 pm CST.



By Mail—Send registration form to Microbiology, 131 College Court Building, Kansas State University, Manhattan, KS 66506-6015.



By Fax—Fax the registration form to (785) 532-5637. Attn: Microbiology.

Cancellation Policy

The Division of Continuing Education may cancel or postpone any course or activity because of insufficient enrollment or other unforeseen circumstances. If a program is canceled or postponed, the Division of Continuing Education will refund registration fees but cannot be held responsible for other costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies.

Limited Enrollment

Enrollment in the Workshop is limited. Please register as soon as possible to guarantee your enrollment. There is no enrollment limit for the Mini-Symposium. (July 6, and 7)

Web Site

Program and registration information is available via the World Wide Web at <http://www.dce.ksu.edu/dce/cl/microbiology/>

For other continuing education opportunities, visit the KSU Division of Continuing Education web site at <http://www.dce.ksu.edu/>

Letter of Invitation

If you require a visa to enter the United States and need a letter of invitation to the workshop, please let us know. *(This letter of invitation will be faxed to you or sent to you via E-mail. We will not send original letters to embassies or provide assistance in securing a visa.)*

Registration Form—Rapid Methods and Automation in Microbiology XXI

• _____
 First Name Middle Initial Family or Last Name
 (EXACTLY as you wish it to appear on certificate)

• _____
 Job Title (Please be specific)

• _____
 Company, Agency, or University, etc.

• _____
 Address

• _____
 City, State, ZIP Code, Country

• Telephone _____ • FAX _____
 (include country and area codes for both numbers)

• e-mail _____

• Male Female

Assistance for Participants with Disabilities/Dietary Requirements
 In order to assist you, please indicate by June 22, 2001 any special requirements and assistance needed. _____

• I request vegetarian meals. (Due to guarantees which must be given in advance, changes cannot be permitted at the conference/workshop, etc.)

• Poster Presentation ___ Yes ___ No
 8 feet x 4 feet maximum

Senior Author of Poster: _____

_____ \$1,755 Workshop registration fee (includes mini-symposium, July 6-7)

_____ \$455 Mini-Symposium only (July 6-7)

_____ \$286 Two Hours Graduate Credit (optional)

_____ \$15 CEU's (optional)

Method of Payment

Check (payable to Kansas State University)

Invoice my company at the address on form

Charge to: MasterCard  Visa 

Bank Wire Transfer

• _____
 Print Cardholder's Name Cardholder's Signature

• _____
 Card Number Expiration Date

To register by telephone, call **1-785-532-5569** and ask for conference registration. Or FAX your registration to us at **1-785-532-5637** or E-mail **info@dee.ksu.edu**.

Roster Release

_____ Initial here if you do not want your name on the participant roster for this program.

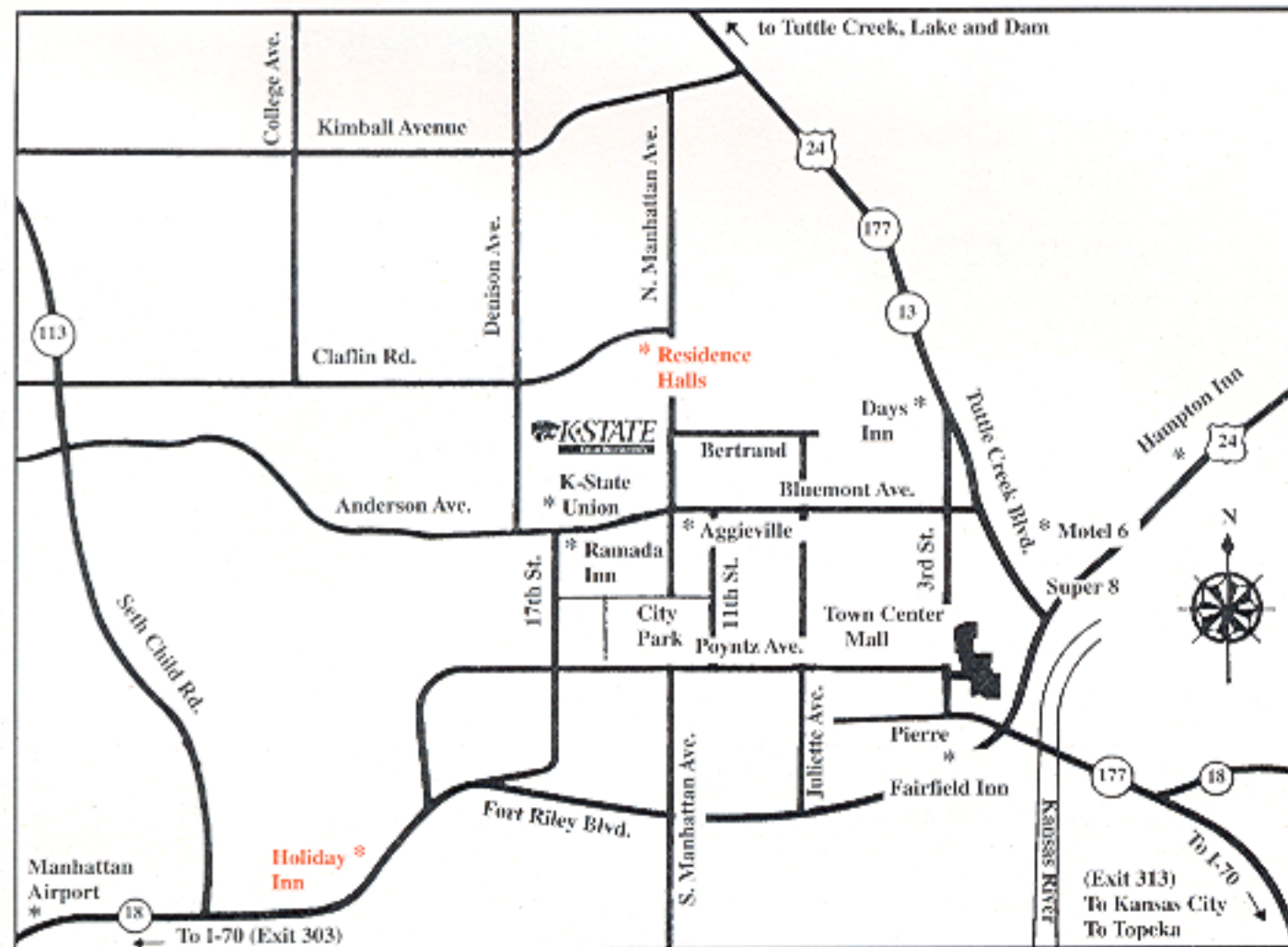
Return this form to:

Rapid Methods and Automation in Microbiology—Registration
 Kansas State University Division of Continuing Education
 131 College Court Building
 Manhattan, KS 66506-6015 USA

cut and mail (keep a copy)

See this brochure on the World Wide Web at <http://www.dee.ksu.edu/dee/cl/microbiology/>

Manhattan, Kansas



Special Assistance

Kansas State University is committed to making program activities accessible to all participants. If you have special requirements due to disabilities or dietary restrictions, indicate your needs on the registration form or contact the Division of Continuing Education Registrar at (785) 532-5566 at least three weeks before the start of the program. After this date, we will make every effort to provide the assistance, but cannot guarantee that requested services will be available.

Notice of nondiscrimination

Kansas State University is committed to a policy of nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other nonmerit reasons, in admissions, educational programs or activities, and employment (including employment of disabled veterans and veterans of the Vietnam Era), 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, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act, has been delegated to Jane D. Rowlett, Ph.D., Director of Unclassified Affairs and University Compliance, Kansas State University, 204 Anderson Hall, Manhattan, KS 66506-0124 (785-532-4392).