



# SDCPhA Voice

Newsletter of the San Diego County Pharmacists Association  
January 2003 - Volume VI Issue 1 - [www.sdcpha.com](http://www.sdcpha.com)

California Pharmacists Association

## President's Message - 2002: A Year in Review

2002 proved to be a successful year for SDCPhA, which could not have been possible without the ongoing support and dedication of our members. And before we plunge into 2003, I would like to thank all the individuals who have given so much of their time and effort into making our local association one of CPhA's best.

We began 2002 by updating our by-laws and adopting a new mission statement: The mission of this organization is to promote the profession of pharmacy in the San Diego community. The goals of this association are to: provide continuing education, be a political voice for pharmacy, promote the integrity and pride of the profession, be an advocate for patient care, and serve as a liaison to other healthcare organizations.

At the 2002 CPhA annual meeting held in San Francisco, SDCPhA was recognized with the "Large Local of the Year" award based on our accomplishments during 2001. Two of our past presidents, Chris Woo and Poonam Patel, were also inducted as CPhA Fellows.

Our continuing education calendar was stellar as usual

under the direction of John Johnson. We had topics such as treatment of acute renal failure, preventing medication errors using technology and application of pharmacoeconomics to anemia management. The talks were informative and current – and the restaurants were always fabulous. John Johnson was also responsible for keeping our website updated with the latest information, as well as spearheading efforts for the Rx Emergency Response Team (RxERT), which was formed in late 2001 in response to the events of 9-11. The members of RxERT received certification training this past year and were registered as volunteers for San Diego County. In the event of a terrorist attack involving chemical or biological weapons, these pharmacists will be called to help dispense medication to the community at the designated disaster control centers.

SDCPhA also participated in several community activities in 2002, thanks to the organizational efforts of Katie Wilkins, our chair of professional affairs. Our members put on their walking shoes for "Race for the Cure" (sponsored by the American Cancer Society for breast cancer research)

as well as for "Race for Literacy." SDCPhA also helped judge the Greater San Diego County Science and Engineering Fair and volunteered at elementary schools teaching children about asthma on behalf of the American Lung Association.

As chair of legislative affairs, Bob Becker organized a legislative breakfast for us with Assemblyman Hollingsworth. It was an informative exchange of ideas and concerns regarding healthcare management and pharmacy reimbursement and helped establish what we hope to be a good foundation with the politician.

Our membership committee, headed by Nicole Dolder and John Johnson (does he ever get any sleep?), was very active this year. They sent out letters of introduc-

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# Dates to Remember

## January 18, 2003

CPhA Emergency Contraception Training,  
Chico, CA  
For reservations contact Shannon at  
800-444-3851 ext 324 or  
spresidio@cpha.com

## January 23, 2003

Pediatric Asthma CE Dinner  
Steamers, Pismo Beach, CA  
To register, call Bret at (805) 481-8640

## February 8, 2003

CPhA Emergency Contraception Training,  
South El Monte (East LA), CA  
For reservations contact Shannon at  
800-444-3851 ext 324 or  
spresidio@cpha.com

## February 19, 2003

IV Proton Pump Inhibitors CE Dinner  
Location to be announced

## February 27-March 2, 2003

CPhA Outlook 2003  
Disneyland, Anaheim, CA  
For information, contact Shannon at  
800-444-3851 ext 324 or  
spresidio@cpha.com

## March 28-April 3, 2003

APhA Annual Meeting  
Morial Convention Center, New Orleans, LA  
For details, call 1-800-237APHA ext. 375 or  
email apha2003@aphanet.org.

## President's Message continued from page 1

tion to all of the students rotating through San Diego as well as letters of welcome to new members of SDCPhA. We also held a welcome social for new students, residents and technicians along with San Diego Society of Health Systems Pharmacists at El Torito in La Jolla. We had over 80 people attend, and it was a huge success.

SDCPhA was also invited to attend the first "White Coat" ceremony at the new UCSD School of Pharmacy. The first class of students numbered only 25 but they proved to be an extremely motivated bunch. SDCPhA established a scholarship two years ago in anticipation of the new school, and we will be awarding the first two scholarships in 2003.

Of course, we also had some fun in 2002. Gene Tunick organized our annual golf tournament as always. All the proceeds from the event went to the UCSD scholarship fund. Board member, Aram Penaranda, organized the first SDCPhA wine tour. The day included a visit to three Temecula wineries, lunch, visit to downtown Temecula and a BBQ at Katie Wilkins' home. (Well, we had to make sure everyone was sober before going home!) And, thanks to Chris Woo and family, we had another successful "Day at the Ballpark" for the Padres' last home game. This year's ballgame coincided with orientation week for UCSD School of Pharmacy, and many of the students and faculty were able to attend and meet our members.

2002 has been a full and eventful year for SDCPhA, and I'm certain 2003 will bring even greater news for our association. On behalf of the entire Board, I wish all of you a healthy and joyful new year, and I hope to see each and every one of you soon at a SDCPhA function!



## PASSASSURED PHARMACY TECHNICIAN TRAINING PROGRAM

PassAssured is a comprehensive training CD for Pharmacy Technicians taking the PTCB Exam. The multimedia presentation is guided by 7 ½ hours of audio and over 2500 pictures and illustrations. A 27,000 word searchable 'help file' gives the student ample reference material and is printable. The training program includes a testing system that uses five step levels of tests to assist the student. These tests are generated from a database of 1000+ questions. Students using the program have accumulated a 97% pass rate compared with the PTCB published pass rate of 80%.

**This program is available to CPhA members for \$175 plus tax and S&H. For more information or to place your order, contact Pete at (916) 444-7811 ext. 321 or via email at orders@cpha.com.**

# San Diego County Pharmacists Association Official 2003 Ballot

Dear SDCPhA Member:

Please take a moment to cast your vote. Select one for each of the following offices unless otherwise instructed. All ballots must be returned **no later than January 21, 2003**. Mail your ballot to SDCPhA, 6549 Mission Gorge Road, PMB #101, San Diego, CA 92120 or fax to (619) 464-8298. Thank you.

## President-elect:

Randy Moore

## Treasurer:

John Ahearn

Allen Novak

## Secretary:

Nicole Dolder

## Board Members: (please select 3)

Michele Bautista

Ed Meinardus

Aram Penaranda

Glen Schniepp

Melany Yee

Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_  
(please print)

(Name for tracking purposes only. Responses will be kept confidential.)

## Biotechnology Certificates Offered at Cal State Fullerton

Develop valuable expertise in bioinformatics, biometrics and pharmaceutical engineering in Extension Certificate programs at Cal State Fullerton. In the Certificate in Bioinformatics you will receive training in the use of bioinformatics tools and techniques in computer science, biology, chemistry and statistics to apply computational methods to basic and applied biosciences. Biometrics technology is used to measure individual physical characteristics to authenticate identity. Graduates of the Certificate in Applied Biometrics will have a background in the technology of biometrics, its market need, its advantages and primary applications. In the pharmaceutical industry, it is crucial to know how to develop optimal manufacturing processes for the efficient, safe production of pharmaceutical processes. The goal of the Certificate in Pharmaceutical Engineering is to promote the development of pharmaceutical engineers who can streamline and optimize drug development and delivery. Cal State Fullerton Extension Winter/Spring 2003 classes begin in January. The class schedule went online December 2 at [www.Csufextension.org](http://www.Csufextension.org) and you can register online. For more information and to request a free brochure, please call (714) 278-2611.

## Odds & Ends

*Rabies:* The word "rabie" came from the Sanskrit word "rabhas" which means "to do violence". The first known reference to rabies goes back to 30 B.C. in India. The first text describing rabies occurs in the 23rd century B.C.

The Greeks were familiar with the disease coining the word lyssa for rabies, apparently originating from the root lud, meaning "violent." Cornelius Celsus in the first century A.D. was the first to describe human rabies using the term hydrophobia from fear of water.

Rabies in the Americas was first reported in 1709. It may have already been described in the early 16th century when it was observed Spanish Soldiers suffered from "madness" after being bitten by bats. This may have been the first time that vampire bats were incriminated as carriers of rabies.

In the American colonies, epidemics of hydrophobia were observed in 1770s. Because humans suffering from "furious rabies" were known to bite other people and because bats were associated with this "human madness," human "vampires" may have been confused with humans suffering from rabies.

In the early 1800s, rabies was better understood in that it was learned that dogs could be infected with saliva obtained from a human rabies patients - not humans suffering from rabies after being bitten by dogs. Then in the late 1800s, it was established rabies could be transmitted from one animal to another. From this concept, the first rabies vaccine based on attenuation of the wild virus de la rue (street virus) was developed.

National Institute  
for Standards in  
Pharmacist  
Credentialing (NISPC)  
Examinations

AMCP Format  
for Formulary  
Submissions

Bring your  
family and  
have fun!

Tour the  
Exhibit Hall

Earn up  
to 26 hours  
of CE Credit

**In addition to quality educational programming, don't miss the social functions!**

—○ **Chew and Chat** - Grab a bite and power up your lunch as you meet with exhibitors. Complimentary light food and beverages are available to Outlook attendees in the Exhibit Hall on Friday and Saturday.

—○ **President's Reception** - Raise your glass in a toast to CPhA's 2002 President Ralph Saroyan for his exceptional leadership during his presidential year. *This event is made possible by McKesson.*

—○ **Alumni Lunches** - Always a popular program, these lunches afford alumni from California's schools of pharmacy to reminisce with classmates as school officials brief on current activities.

—○ **Closing Dinner** - Hail to the new chief! Deborah Johnson will be formally installed as CPhA 2003-2004 President and recognition of other leaders will be presented. Don't miss the great food and fabulous fun!

—○ **Closing Reception** - Following the Final Dinner, continue the celebration with good conversation and fun music. This is your opportunity to congratulate new leadership and mingle with old friends.

—○ **Pharmacy Technician Reception** - Come network with your peers and learn about the new exciting opportunities for Technicians at CPhA. Now is the time for Technicians to unite and work together with pharmacists to improve this community for everyone.

**Housing and Travel Information**

Outlook attendees have the choice of the Disneyland Hotel or Disney's Grand Californian Hotel. CPhA has negotiated a variety of room rates based on property and view-type, therefore contact hotel reservations at (714) 520-5005, no later than January 25, 2003. Southwest Airlines offers Outlook attendees discounted fares to Orange County. Call 1-800-433-5368 and reference ID Code J7254. SuperShuttle service is available from Orange County Airport and Los Angeles International Airport. For further information, (714) 517-6600 or (949) 766-6601.



**February 27 - March 2, 2003**

For more information, contact Paula at (916) 444-7811, ext. 326 or by email at [pclamurro@cpha.com](mailto:pclamurro@cpha.com)

**Online registration is now available at [www.cpha.com](http://www.cpha.com)!**

# San Diego Center for Patient Safety Annual Safety Conference Registration Form

All forms and payments are due by March 1, 2003

Please print clearly and supply all information.

Mr./Ms./Dr.  First Name  Last Name  Degree(s)   
 Please Circle

Address  City/State  Zip Code   
 Office Number  Fax Number  Email Address   
 Speciality or Area of Interest  Professional Affiliations

### Registration Payment:

- My payment of \$90 (Non-Member) is enclosed.
- My payment of \$75 (Member) is enclosed.

### Method of Payment:

- Check (Please make payable to UC Regents)
- UC Intercampus recharge (Please complete below. Diners Card not accepted)
- Credit Card
  - Visa  MasterCard  American Express

Index / Credit Card No.  Expiration Date

Signature  UC Department

## SUBMIT YOUR POSTERS

*What a great way to promote your safety efforts!*

SDCPS's Annual Conference will have a poster exhibit to promote a free exchange of ideas and information about community safety activities and initiatives. We welcome all abstracts. Please submit a 300-word abstract summarizing your poster to [sdcps@ucsd.edu](mailto:sdcps@ucsd.edu) no later than **February 15, 2003**.

**There will be an award for the best poster presentation!**

### Please mail or fax registration and payment to:

Attention: Jill Collier  
 Office of Continuing Medical Education  
 University of California, San Diego School of Medicine  
 9500 Gilman Drive, La Jolla, CA 92093 - 0617  
 FAX: (858) 524-7672

**Register on-line at <http://cybermed.ucsd.edu/SDCPS>**

# San Diego Center for Patient Safety Patient Safety Conference

### Overview

The Annual Safety Conference is a meeting dedicated to educating both the healthcare community and public sector on current issues in patient safety, medical error, and clinical decision making. The conference is sponsored by the San Diego Center for Patient Safety (SDCPS) and the University of California, San Diego School of Medicine.

### About the San Diego Center for Patient Safety

SDCPS was established as a collaborative effort between UCSD Health Sciences and the VA San Diego Healthcare System in September 2001 with a grant from the Agency for Healthcare Research and Quality. SDCPS is composed of a multi-disciplinary group of over 70 Members, and has forged affiliations with UCSD Health Sciences, VA San Diego Healthcare System, Children's Hospital of San Diego, Scripps Health, and Sharp Healthcare. SDCPS has created the Center for Healthcare Simulation, based at the VASDHS, initiated patient safety education programs, and undertaken a variety of research projects to understand medical error and enhance safety.

### Conference Objectives

- To educate San Diego clinicians and the community about patient safety.
- To discuss patient safety concerns common to multiple practice settings.
- To share ideas and enhance collaboration among healthcare providers.

### Target Audience

Physicians \* Nurses \* Pharmacists \* Risk Managers \* Patient Safety Officers \* Health Services Researchers \* Medical Educators \* Healthcare Administrators \* Hospital Board Members

### Speakers and Topics

SDCPS has assembled a distinguished group of speakers, including Brent James, MD, Executive Director of the Institute for Health Care Delivery Research and Vice President for Medical Research and Medical Education at Intermountain Healthcare, Karen Wolk Feinstein, PhD, Chair of the Pittsburgh Regional Healthcare Initiative, and David Gaba, MD, Director of the Palo Alto VA Patient Safety Center of Inquiry, to inform the audience about nationally recognized patient safety efforts. Representatives of San Diego's leading healthcare organizations will talk about their current safety initiatives and discuss ways that we all can work together to make San Diego the safest city in America in which to receive healthcare.

### Accreditation – Physicians

The University of California, San Diego School of Medicine is accredited by the Accreditation Council for Continuing Medical Education ("ACCME") to provide continuing medical education for physicians. The University of California, San Diego School of Medicine designates this educational activity for a maximum of **7 CME** hours per week in category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

### Accreditation – Nurses

Under the California BRN guidelines, this course is accredited for **7 hours** of nursing credit.

### Accreditation – Pharmacists

San Diego Society of Health System Pharmacists is accredited by Accreditation Evaluation Services to provide continuing medical education for California pharmacists. The San Diego Society of Health System Pharmacists designates this educational activity for a maximum of **7 credit hours**.

# Safety Conference Agenda

Friday, March 21, 2003

7:30 AM – 8:00 AM

**Conference Registration**

Continental Breakfast (included in Conference Fee)

8:00 AM – 8:15 AM

**Introducing the San Diego Center for Patient Safety**

Matthew B. Weinger, MD  
*Director, San Diego Center for Patient Safety*

8:15 AM – 9:00 AM

**PANEL: "Patient Safety, California Style"**

Moderator: Robert Kaplan, PhD, *Chair and Professor of Family and Preventive Medicine at UCSD*

"Simulation and a safety culture"

David M. Gaba, MD, *Director, Patient Safety Center of Inquiry, Palo Alto VA; Professor of Anesthesia, Stanford University*

"Working together: The UC-wide safety initiative"

Lee Hillborne, MD, MPH, *Director, SAFER California Healthcare; Professor of Pathology, UC Los Angeles*

9:00 AM – 9:45 AM

**Coffee Break and Poster Viewing**

9:45 AM – 10:15 AM

**Poster Session with Facilitated Discussion**

Moderator: David M. Gaba, MD

10:15 AM – 12:00 PM

**PANEL: "San Diego Community Safety Initiatives"**

Moderator: Richard A. Norling, *Chairman & CEO, Premier, Inc.*

"Safety Initiatives at Scripps Health"

Brent Eastman, MD, *Chief Medical Officer, Scripps Health*

"Improving Patient Safety: Lessons Learned in a Children's Hospital"

Paul Kurtin, MD, *Director, Center for Children's Health Outcomes, Children's Hospital of San Diego*

"Sharp Healthcare's Safety Innovations"

Nancy Pratt, RN, MS, *Senior Vice President for Quality and Effectiveness, Sharp Healthcare*

"Safety Initiatives at UCSD Medical Center"

Thomas McAfee, MD, *Physician in Chief, UCSD Healthcare*

"The VA San Diego Healthcare System and Patient Safety"

Robert Smith, MD, *Associate Chief of Staff, VA San Diego Healthcare System*

12:00 PM – 1:30 PM

**Lunch (included in Conference Fee)**

Introduction by Edward Holmes, *Vice Chancellor, UCSD Health Sciences*

**Keynote Speaker** - Brent James, MD, *Executive Director of the Institute for Health Care Delivery Research and Vice President for Medical Research and*

*Medical Education, Intermountain Healthcare*

"Can technology solve all of our safety problems?"

For more information, please visit our website at:  
<http://cybermed.ucsd.edu/SDCPS>. We can also be reached at  
(858) 642-3461 or by email at [sdcps@ucsd.edu](mailto:sdcps@ucsd.edu).

1:30 PM – 2:30 PM

**Activities of the San Diego Center for Patient Safety**

Moderator: Paul Kurtin, MD

"Studying safety at the sharp end: Anesthesia and critical care"

Matthew B. Weinger, MD, *Professor of Anesthesiology, UCSD; VASDHS Staff*

"Practicing safe telephone medicine"

Theodore Ganiats, MD, *Professor of Family and Preventive Medicine, UCSD*

"Instrumented laryngoscope project: Can we measure clinical expertise?"

Nathan Delson, PhD, *Academic Coordinator, Mechanical & Applied Engineering, UCSD*

"Real-time assessment of medical house staff physician workload, psychological state, cognition and safe care using handheld computers"

Timothy Dresselhaus, MD, MPH, *Associate Chief, VA Medical Service; Associate Clinical Professor, Department of Medicine, UCSD*

2:30 PM – 3:00 PM

**Coffee Break**

3:00 PM – 3:45 PM

**Creating a Regional Safety Collaboration**

"Community hospitals working together: The Pittsburgh experience"

Karen Wolk Feinstein, PhD, *Chair, Pittsburgh Regional Healthcare Initiative*

3:45 PM – 4:30 PM

**Discussion and Closing Remarks**

Theodore Ganiats, MD, *Co-Director, San Diego Center for Patient Safety*

**Registration (Due by March 1, 2003)**

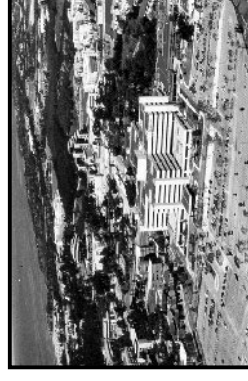
Registration includes the cost of all conference materials, meals, and parking.

**Registration Fee:** \$90 for Non-Members and \$75 per person for SDCPS Members and Members of the San Diego Society of Health Systems Pharmacists and the San Diego County Pharmacists Association. *Late registration (after March 1) will be \$100 per person.*

**Cancellation policy:** Refunds are granted for cancellations up to 15 days prior to the conference date. Cancellations after March 6 and no-shows are not eligible for refunds. We reserve the right to change or cancel this program due to unforeseen circumstances.

**Conference Location**

University of California, San Diego  
Price Center Ballroom A&B  
9500 Gilman Drive  
La Jolla, CA 92093  
(858) 534-2230



**For map and directions:**

<http://www.ucsd.edu>

SDCPS would like to acknowledge and thank Alaris Medical Systems, Inc. and UCSD Office of Continuing Medical Education for their generous support of this conference.

## Pharmaceutical Care

*Chubby Children and Veggies:* Everyone has seen the various news articles on the over weight crisis in Americans, particularly children. The closest thing to a vegetable that most children eat are French Fries soaked in grease! How about the vegetables!

*Vegetables:* Latin for "enliven" or "animate". Leafy greens are Cabbage, Lettuce, Chard, Spinach, Collards, Watercress and Kale. Leafy greens are known to be probably the richest in nutrients of any foods in the vegetable kingdom. As a general rule, the greener they are, the more nutritious they are. These are very high in vitamins A and C along with magnesium, calcium, potassium, iron, and folic acid. Although the calcium content is high, much is bound as oxalic acid which is not very soluble or absorbable. Chard, spinach, and beet greens have calcium but are oxalic formers. Kale, collards, mustard and turnip greens have lower oxalic acid levels. Dandelion greens are one of the richest sources of vitamin A.

*Cabbage* is low in fat and may even help reduce body fat levels. Though not as high in nutrients as some of the other greens, cabbage is still rich in chlorophyll, folic acid, and vitamin C along with selenium, sulfur and chlorine. Red cabbage is higher than green in vitamins A and C, but lower in folic acid and chlorophyll. Fermented cabbage is sauerkraut.

*Chard;* the Swiss variety is a rich source of vitamin A. Chard is also about one-third protein and a good fiber food. It is fair in vitamin C, folic acid, calcium, magnesium, sodium, and potassium.

*Collards* are a rich source of vitamin A, with some protein and good fiber content. Folic acid and

vitamin C are also good along with calcium, potassium, iron, and zinc.

*Kale*, just described in the general discussion of leafy greens, is a fairly tasty vegetable with a special and rich array of nutrients, and especially a good source of calcium.

*Lettuce* is the common name for a number of related plants that grow in "heads". Iceberg lettuce is a solid, round ball of lettuce leaves that stores longer than most other types making it a favorite among restaurants and home refrigerators. It is, though, less nutritious than most of the other lettuces, such as romaine, red leaf, green leaf, or butter lettuce. Some of these are gaining in popularity. The darker green lettuces richer in chlorophyll, vitamin A, and folic acid along with some calcium, potassium, and iron. They are low in sodium and calories. Lettuces are on the lower end of useful vegetables.

*Spinach* is rich in iron, containing about 2mg/cup uncooked spinach. It is also a good fiber food with some protein. Vitamin A content is high, B vitamins are low except for folic acid; vitamin C is good, and there is some vitamin E. Potassium, magnesium, and calcium are high, with lesser amounts of copper, manganese, and zinc. Raw spinach, however, contains oxalic acid, which may bind some of the calcium and other minerals.

*Watercress* is particularly high in vitamin A, calcium, vitamin C, potassium, iron, magnesium, and traces of nearly all the B vitamins.....

## The Law Section

*CA Code 11164-11174.3* - The Child Abuse and Neglect Reporting Act.

(a) This article shall be known and may be cited as the Child Abuse and Neglect Reporting Act.

(b) The intent and purpose of this article is to protect children from abuse and neglect. In any investigation of suspected child abuse or neglect, all persons participating in the investigation of the case shall consider the needs of the child victim and shall do whatever is necessary to prevent psychological harm to the child victim.

11165.7. (a) As used in this article, "mandated reporter" is defined as any of the following: Section (21) A physician, surgeon, psychiatrist, psychologist, dentist, resident, intern, podiatrist, chiropractor, licensed nurse, dental hygienist, optometrist, marriage, family and child counselor, clinical social worker, or *any other person who is currently licensed under Division 2 (commencing with Section 500) of the Business and Professions Code.* (Emphasis added). This includes pharmacists.....

*Section HFC 11164(b)(1)* (see page 203, 2002 edition)

The law comments about Schedules III, IV, and V: (1) The prescription shall be signed and dated by the prescriber and shall contain the name of the person for whom the controlled substance is prescribed, the name and quantity of the controlled substance prescribed, and directions for use. With respect to prescriptions for controlled substances classified in Schedules III and IV, the signature, date, and information required by this paragraph shall be wholly written in ink or indelible pencil in the handwriting of the prescriber." Note the wholly written part!.....

**2003 Ballot enclosed**  
**Your Immediate**  
**Attention is Requested!**

ADDRESS CORRECTION REQUESTED

San Diego County Pharmacists Association  
Website: [www.sdcpaha.com](http://www.sdcpaha.com)  
6549 Mission Gorge Road, #101  
San Diego, CA 92120

**The National Scene**

*Bacillus Anthracis and 9/11:* Prior to 9/11/01 CDC occupational health guidelines for B. Anthracis were far different than now. On September 9, 2002, the CDC published a notice that the occupational health guidelines for various workers at B. Anthracis contaminated sites in the US have been upgraded.

The anthrax letters were a steep learning curve and much was learned. The new CDC notice presents information on medical and preventive measures to protect remediation workers against exposure to anthrax. The measures described “go beyond” what was in the past. The world has changed.....

**More Odds & Ends**

*GRAS list?* GRAS is an acronym for “generally recognized as safe”. It is established by the FDA and consists of substances that have been determined to be safe through either scientific testing, or extensive usage dating before 1958. Once a substance is approved for the GRAS list, the FDA determines the amounts and purposes the substance

may be used for. When the GRAS list was first instituted, about 700 substances were placed on it without going through the clarification process that since then has been extensively changed. These substances were in use for many years and had no known hazards.....

*The Earth is Round!* Did you know it has been known the earth is round for about 5,000 years from Mesopotamia data? Did you know the Arabians measured a two degree meridian arc near Baghdad in 827 A.D. determining the earth’s size with an error of about 10%? And in the Netherlands in 1617, the circumference was determined to be 24,010 miles. The most recent satellite measurements show the equatorial radius at 24,901.4726 miles in circumference. I wonder if the .4726 could be disputed?.....