

AP Newsletter

A publication of the Academy of Prosthodontics

Volume 6, Number 2

Spring 1996

The 78th Annual Meeting of the Academy of Prosthodontics Newport Beach May 3-7, 1996



The Four Seasons Hotel

Scientific Session

The 1996 Scientific Session will focus on some of the most pressing issues in prosthodontics: informatics, managed care, and implant prosthodontics. Authoritative reviews, topical data on new materials, and controversies in fixed prosthodontics will be presented.

The Saturday morning opening segment "Informatics" will be moderated by Dr. Jack Preston. Comprehensive, accurate and accessible record keeping, or documentation, has become a critical part of dental practice and will be discussed by Dr. Paul Rhodes. Dr. Bernard Yoo will explain how multimedia presentations can be used for patient education and treatment plan presentation. Dr. John Khademi will describe digital X-ray imaging. Dr. Preston will complete this segment by reviewing many new electronic technologies including CAD-CAM and the expert systems.

Dr. Sreenivas Koka will examine differences between the periodontium and the bone-implant interface and suggest possible reasons for the apparent resistance of the osseointegrated implants to marginal bone loss. Dr. Eleni Roumanas will review the UCLA experience of implant retained maxillary obturators.

An early brunch will give us time for reflection on the morning's presentations, and some relaxation before an early afternoon **fixed prosthodontics** segment. Dr. Peter Johnson will explore differences in tooth arrangement and perception of esthetics among diverse ethnic groups.

Dr. Ricardo Schwedhelm will present his evaluation of new resinous die materials. Dr. Karl Leinfelder will close the first session with a clinical, evidence based review of esthetic restorative materials.

Sunday morning will feature three **biologically oriented presentations**. Dr. Terry Tanaka will use exquisite dissections to describe oral anatomy.

Dr. Chuck McNeill will review the current knowledge of temporomandibular disorders, and Dr. Gordon Douglas will explain the relevance of his molecular biology to prosthetic dentistry. After the coffee break, Dr. Ken Malament will present his unparalleled data on the clinical performance of all-ceramic restorations. Dr. Dan Nathanson will review current parameters, including his own contributions, on restoration of the pulpless tooth. Presentations by Dr. Steve Sadowsky and Dr. Brian Kucey will review their experiences with implant prosthodontics and suggest practical clinical guidelines.

Poster Presentations will follow the oral sessions. This session is an opportunity for prosthodontic residents and staff to share a chosen subject with members and guests of the Academy.

see Scientific Session on page 8

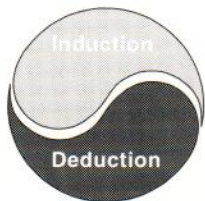
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Perspectives from the Editor

Critical Appraisal, Logical Inference, and the Truth

OBSERVATION



THEORY

Research Design	A. Human	B. Animal	C. Bench
I. Randomized Trial			
II. Cohort Group			
III. Case-Control			
IV. Pilot Investigation			
V. Case Report			

This past summer a Research Symposium on "Critical Appraisal" was held in Chicago. The symposium provided valuable insight on how one could ascertain or evaluate which research would be most accurate in assessing a clinical problem or which review article would be most appropriate in analyzing a particular topic. As a practicing prosthodontist this concept appealed to me greatly as I am constantly being deluged with information, materials and devices which have purported advantages over those currently used. There never seems to be enough time to investigate all that is presented. At least, I have quickly learned how to recognize the "cart-sort mail" and summarily send it to the round-file ... unopened. It seems that along with the supportive argument for change comes substantiating research. This research is given further credence by being published in the "Journal du Jour"; or it is adroitly inserted into an essay as a means to build a strong foundation leading to a crescendo of heralding self-perpetuating half-truths.

What is truth? Is it constant? Is it conditional? Is it forever? Is it qualitative? Through our senses we experience the world and make observations. In science we impose logic on those observations. We have the ability to reason which enables us to make logical inferences. Using deductive inference we hold a theory to be true and based on it we make a prediction of its consequence e.g., implants placed in patients who smoke will not be successful ... therefore, implants will fail in **this** patient who smokes. Whereas, an inductive inference is based upon a specific observation resulting in a generalization e.g., implants failed in this patient who also smokes ... therefore, implants will fail in **all** patients who smoke. We make many observations, discern patterns, make generalizations and infer an explanation. Sylvia Wassertheil-Smoller stated in her book, Biostatistics and Epidemiology, that "All the logic in the world will not create an *observation*, and all the individual observations in the world will not create a *theory*, therefore we need both." Is that enough to determine truth or cause-and-effect relationships?

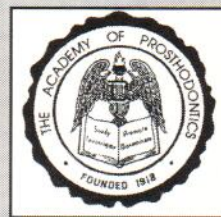
The correct use of logical inferences requires a further refinement: are we making the correct observation, measurement or recording? Are we observing everything there is to see or only seeing what we know framed within references of our own personal experiences or closely held and revered biases? Can we measure repeatedly with accuracy, precision, and with validity the observation we are making? Have we eliminated filter

biases from our observations? Everyone has been confronted with questions that can be answered both yes and/or no based upon the available information or withheld information and make the incorrect determination. This affirmative-negative situational response is why randomization of studies with the proper recording of observations are so critical to reach the correct conclusions — that are unclouded from personal gains or losses and are closest to the truth. This randomization requires that the researcher designing the study, those making the observations, and those being observed be "blinded" or obscured from knowing who is receiving the variable being tested. "Blinded" studies are not always possible in dentistry as the variable being tested is typically apparent to everyone, thus necessitating a cohort group methodology and an concomitant increase in sample size (n) to hopefully reduce the effect of bias. Nevertheless, this method is far better than the "case-control" (a misnomer from my perspective) studies that retrospectively make observations without true "control" of filter biases ... the ones which can result in a yes and no answer simultaneously.

Unfortunately, many current prosthodontic procedures are based upon anecdote, empiricism and

see *Critical* on page 8

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Secretary-Treasurer Notes

by Ed Plekavich

Thirty-eight Academy Fellows shared an early morning breakfast in Chicago and enjoyed the revival of Bill Braasch's tradition by Dick Grisius. Dave Eggleston reviewed the events to take place in Newport Beach. The meeting promises to live up to Academy tradition, a stimulating Scientific Session, lively social events, unexcelled fellowship and smoked duck for Ted Riley.

President Desjardins convened the Executive Council following breakfast. It appears that a tradition of having a meal together prior to the meeting began in 1930 where the minutes read "following an enjoyable and fun-filled dinner of the membership the Executive Council carried out the assigned business."

The Council reviewed the details of the Annual Meeting committee reports and got excited about plans for 1997 as described by George Zarb. (Too bad we couldn't get George to teach Bob Dole how to address an audience.)

Jonathan Wiens requested members to submit information regarding recent promotions, items of interest or other activities. This information will appear in the Fellowship News section of the Newsletter.

Much of the old material kept by the Secretary will be shipped to Chicago where Steve Campbell is working with the ADA Librarian to store our historical records. These old records and programs are interesting and will be missed.

At the time of this writing 238 invitations have been sent. Unfortunately, only ten Active Fellows have submitted guest names. For the Tucson meeting 279 invitations were sent and 46 paying guests attended. The remainder of the guests were students and speakers. It may be too late to invite guests by the time the Newsletter is received. Thought should be given to inviting guests for the next year. By-Laws changes will be sent prior to the meeting so they may be acted upon in Newport Beach.

A luncheon is planned on Monday afternoon for Life and Associate Fellows. This luncheon will serve as an opportunity for Associate and Life Fellows to get to know one another.

See you all in Newport Beach. Bring your clubs, fun clothes and sunglasses.



NEWPORT BEACH EVENTS

May	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
Morning	Council Meeting 8am-5pm Speaker Ready Room Board Room (open 24 hours Fri-Tue)	Coffee 7:00 am Opening Ceremonies 7:30 Scientific Session 8-11:00 Brunch 11:10-12:00 pm Spouses Hospitality	Scientific Session 8:00 am-12:35 pm Spouses Hospitality	Scientific Session 8:00 am-12:15 pm Spouses Tour Spouses Hospitality	Scientific Session 8:00-11:30 am Preview of Next Years Meeting 11:30-12:00 pm Spouses Hospitality
Afternoon	Registration and Hospitality Desk Hotel Lobby 12-5pm	Scientific Session 12:00-2:20 pm Policy Committee Meeting President's Address Associate Fellows Meeting Spouses Hospitality	Poster Presentations 12:35-2:30 pm Council Meeting and Luncheon 12:35-3:00pm Spouses Hospitality	Council Meeting and Luncheon 12:35-3:00pm Life and Associate Fellows Luncheon 12:35-1:30pm Spouses Hospitality	Annual Business Meeting and Luncheon Spouses Hospitality
Evening	Reception 6:30 pm Welcome Dinner 7:30-10 pm Grand Ballroom	President's Reception 6-8:00 pm Poolside	Nixon Library Tour 3:30-10:00 pm	President's Banquet Reception 6:30-7:30 pm Dinner/Dancing 7:30 pm	

Outreach Programs Fr

by Robert Gillis

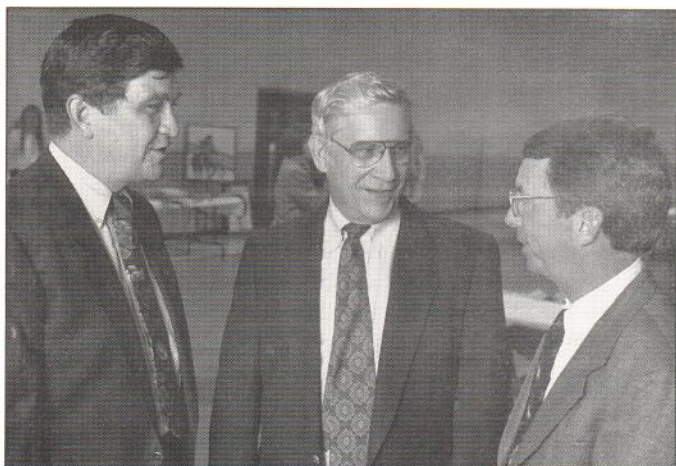
The summer had been dry. The September rains had washed the red Oklahoma clay into the rivers creating a contrast with the green countryside. Ada, Oklahoma and the Holiday Inn remained unchanged except for the absence of Jim Lepley and a large number of tent caterpillars in the trees.

The patients were pleasant and glad to have the excellent care of our Academy Fellows: Don Kramer, Steve Parel, and Bob Gillis. The assistants and lab welcomed us back like old friends and the dental staff treated us like family. One of the reasons most of us went into dentistry was to help other people. Being with the Chickasaw Indians who respect the earth and seeing how all of us fit together remind us of our own ideals and values.

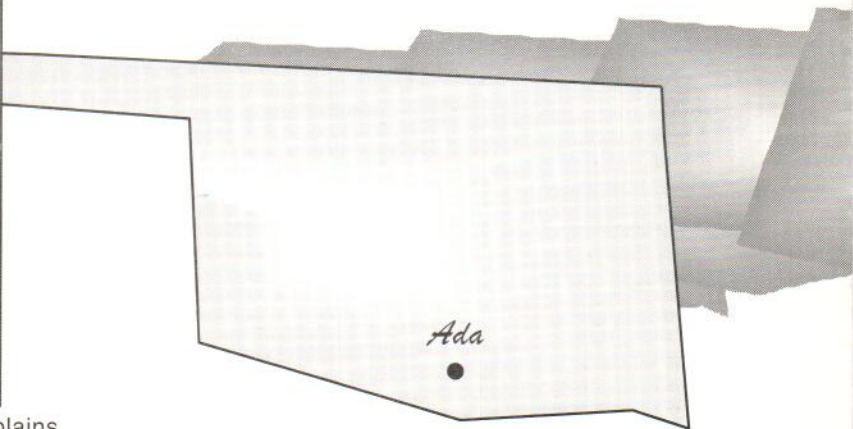
Our routine had been worked out previously so that we worked hard but efficiently in treating fifteen edentulous patients.



The tremendous laboratory support (l-r): William Kendrick, Roger Petesmoie, Dr. Lyn Page(prosthodontist), Sueanna Gibson and Betty Kreebs.



Bob Gillis and Don Kramer listen intently as Steve Parel explains the relationship between sand traps and complete dentures.



Only one round of golf was played because of continued rains; there was, however, an interesting evening in a local pool hall. This Outreach Program was not a vacation, because we worked hard, however a revitalization of spirit can occur.

The Chickasaws again graciously hosted a POWWOW in our honor, presenting all Fellows with plaques commemorating our efforts. Don Kramer again showed the way to the dance floor but is saving his war whoop for next year. Friendship, camaraderie, satisfaction for a job well done, appreciation for service given, all of these describe the experience.

To everyone involved, thank you. A special thanks is owed to the three assistants and the laboratory staff who through their hard work made our visit more pleasurable. To those of you who have not been part of the Academy Outreach, you are missing a special unique experience.



The Chickasaws treated us to a tribal dance.

From Oklahoma to Utah

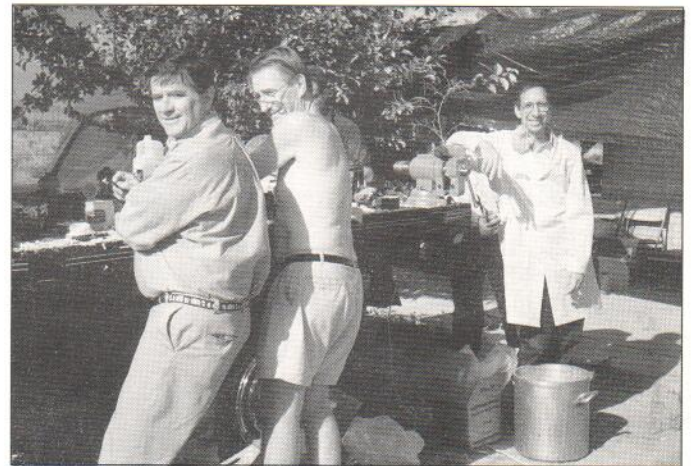
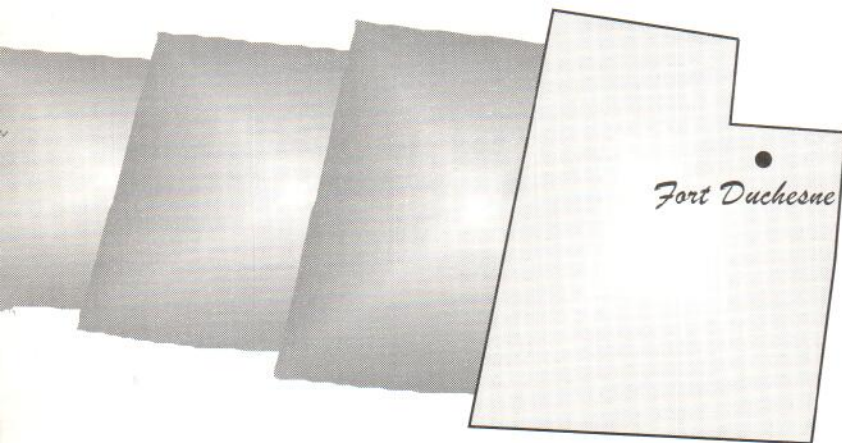
by Ed Plekavich



Academy Fellows (l-r) Ed Plekavich, Jerry Graser, Jim Lord (the cane is for effect) and Gary Rogoff overlooking the Flaming Gorge.

Labor Day marked more than the end of summer for four Academy Fellows and three Academy friends. It also marked the beginning of new friendships and adventure. Jim Lord, Jerry Graser, Gary Rogoff, Mitch Nussbaum, Dana Kennan, Paul Martinez, and Ed Plekavich traveled through some of the most spectacular countryside anywhere, threw in a fishing line here and there, and set up an open air laboratory on the Uinta-Ouray Indian Reservation in northern Utah. The trip took the group through the Flaming Gorge which stretches across the Wyoming-Utah border. The Uinta-Ouray reservation covers a vast area east of the snow-capped mountains and boasts of green valleys and river gorges.

As with other Outreach sites, the need for complete denture care is great. The patients are marvelous. Where else can you work where everything you do is "wonderful"? Our laboratory consisted of a tent, a trailer and a flatbed truck.



Gary Rogoff oversees the workers in the "sweat shop" - Dana Kennan, Jim Lord and Mitch Nussbaum(behind).



Ed Plekavich, Gary Rogoff and Jerry Graser "flash" dentures on the truck bed.

The weather cooperated and the wind cleared the cigar smoke. A reporter for the Salt Lake Desert News, Amy Donaldson, writes: "The dentists may use vacation time, but the week isn't a lot of rest and relaxation. From sunrise to midnight, the men shuttle between patients who line up in the clinic, a tent, where supplies are stored; the trailer, where there's a place to sit and sometimes eat leftover pizza; and finally the flatbed, where a lot of the lab work is done."

The article she wrote appeared on the front page of the paper September 11, 1995. Naturally, they included pictures of the good-looking guys. She further writes, "The real benefit isn't saved money. It's saved lives."

Money and materials for the project were donated by: The Editorial Council of the Journal of Prosthetic Dentistry, components of the Utah State Dental Association, Meyersons, Dentsply, Zahn, Sci-Can, and Vita.

Like every Outreach adventure, it was fabulous.



Newport Events

by David Eggleston

The Local Arrangement Committee cordially invites you to the Four Seasons Hotel, Newport Beach.

The social events start early with an unofficial trip to Catalina on Thursday, May 2nd. The "Catalina



Flyer" is a large commercial ferry that leaves the Balboa Pavilion at 9:00 am for Avalon Harbor at Catalina and returns at 4:30 pm. Please contact Dave Eggleston if you would like to join the unofficial group and reservations will be made for you. Those of you who are more adventurous can make the crossing on the "Megabite," a 45 foot power yacht leaving from the Eggleston's residence in Newport Beach Harbor. Both groups will join up in Avalon.

In Catalina there are endless activities, including golf, horseback riding, bicycle or electric golf cart rentals for touring the island, the Wrigley Mansion, scuba diving, glass bottom boat rides, water skiing, jet skiing, parasailing, shopping, or lounging on the beach. The "Megabite" will be moored at buoy 138 in Avalon Harbor with two sit-down type jet skis and refreshments. Convenient shore boats are available between the pier and buoy.

The official social events will commence with a Welcome Dinner at the Four Seasons Hotel on Friday evening. Baldwin Marchak, and his buddy the



Four Seasons chef, have a marvelous menu planned.

Guests and graduate students will be

placed at each table to help start off the camaraderie that our organization is noted for.

Saturday evening will find us at the poolside President's Cocktail Party. Afterwards, everyone is on their own to explore the excellent array of fine restaurants in the area. The registration desk will have restaurant suggestions for you at your arrival.

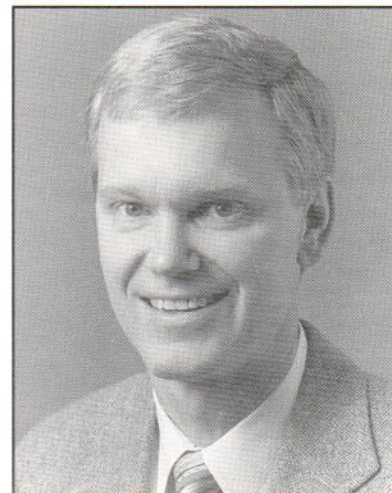
On Sunday, May 5th, the social event will be a visit to the Nixon Library. Our Cinco de Mayo dinner will be genuine Mexican fare. The Nixon Library is a World Class event. We know you will



enjoy visiting the exhibits and strolling through the gardens and the boyhood home. The exhibits are spectacular with: life-size bronze figures of world leaders, gifts from Nixon's China visit, moon rocks, NASA videos of the preparation and landing on the moon, the Kennedy-Nixon debates, Watergate, a section of the Berlin Wall, and Vietnam.

On Monday, the Spouse's Tour will be a full day of education and site seeing. In the morning, the spouses will visit the Jet Propulsion Lab (JPL) in Pasadena. The JPL is in charge of all NASA unmanned space flights. They will update you on the recent successful probe of Jupiter. Due to limitations at JPL, the Spouse's tour is limited to 50 people.

Lunch will be at the famous Twin Palms Restaurant in Pasadena. The afternoon will include a visit to the Gambel House Mansion and Museum. The Gambel House is normally closed on Mondays,



Dr. David Eggleston

but they will open exclusively for our group.

Members and guests (and spouses not on the spouse's tour) can enjoy a round of golf at the fabulous Newport Beach Country Club on Monday afternoon. The course is the site of the current Seniors' Tour. Be sure to call Dave Eggleston ASAP to make sure you get a tee time. Reservations must be made well in advance. Tennis buffs can sign up at the registration desk.

Shopping at the Newport Beach Fashion Island across the street from the hotel is incredible. Prepare to shop 'til you drop at one of the truly premier shopping centers.

The President's Banquet, on Monday evening, will be the highlight of our events. We have a sensational music group to help you dance the night away. Celebrate the year with Karen and Ron Desjardins and welcome in the new officers.



Fellowship News

Dr. George Zarb recently returned to this continent following a sabbatical at his old alma mater the University of Malta. He has been working on the 11th edition of "Bolender's Prosthodontic Treatment for Edentulous Patients" which he coauthored and edited with **Drs. Charles Bolender** and Gunnar Carlsson. The forthcoming edition also includes chapters by **Drs. Brien Lang, Alan Carr, Howard Landesman, Rhonda Jacob, and Glen McGivney.**

While in Malta, George was awarded an Honorary M.D. for "his research and scholarly pursuits, his contribution to oral rehabilitation and the specialty of Prosthodontics, serving as a landmark in the profession's commitment to enrich the quality of life of dental patients." In June of this year George will also be receiving an Honorary Fellowship from the Royal College of Dental Surgeons of England.

Dr. Richard Frank was recently elevated to President of the Pacific Coast Society of Prosthodontists. **Dr. Theodore Jacobson** will serve as Immediate Past President and **Dr. Robert Gillis** as Vice President.

Dr. Gerald Graser was elected to the position of President-Elect of the Academy of Osseointegration at its Annual Meeting in New York.

At the recent American Prosthodontic Society meeting **President George Smutko** passed the gavel to incoming **President Charles C. Swoope.**

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5000 West 95th St., Suite 290
Prarie Village, KS 66207-3300



You've got mail!

Received via the Internet, source unknown:

I, Steve Parel, would like to apologize to all that I have taken money from on the golf course. I must confess my handicap is really a 2. This came to my attention when it was discovered that I had too many clubs in my bag ... and in the tree. Please send your invoice for reimbursement to Maureen. Allow three years for processing.

Best personal regards.

YOUNGFELLOW

by Shane White

This occasional column will explore issues facing the Academy. All the opinions and comments are solely those of "Youngfellow" and do not represent the Academy or its officers. The aim of this columnist is to stimulate debate and provoke discussion of the best ways to advance the Academy and prosthetic dentistry. Please be patient with Youngfellow - he may often be misguided and swept away by enthusiasm, but he is neither old or wise enough to know any better!

This first column will address the meeting format. The annual session is the keystone of the Academy's activities. Currently, the Academy's annual meeting faces strong competition from other excellent international, national and regional prosthodontic organizations. As leaders of our profession, many fellows

are also obligated to attend IADR, AADR, AADS, implant, materials, esthetic and other related major meetings. Likewise, we cannot neglect our primary professional duties as clinicians, educators, researchers or administrators. Thus, many of us have severe personal time constraints. Certainly, we are all committed to the Academy meeting, understand the need for additional business meeting time and value the social activities, but it does occupy considerably more time than most other major meetings.

Youngfellow believes that the new "through-weekend" schedule and longer daily session hours will help to alleviate some of this time pressure, but further schedule changes might be beneficial. Youngfellow also feels that the primary purpose of the scientific session should be reevaluated. Many organizations are

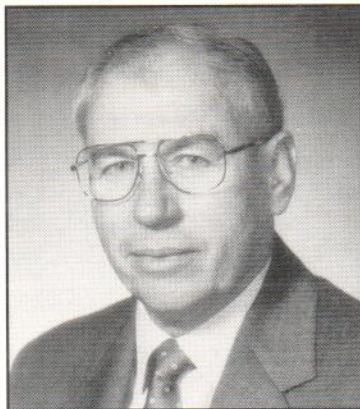
caught up in a continuing education popularity contest. However, Youngfellow suggests that we do not compete for audience popularity, but that we aim for quality instead. Our Academy is in a unique position to provide leadership by focusing on major issues, confronting new problems, presenting cutting-edge research, novel clinical techniques and definitive reviews from only the most qualified essayists. Panel moderators could edit and publish special panel reports. This approach might not draw the biggest crowds, but could greatly advance prosthodontics and the Academy's influence.



One-on-One

with Glen McGivney

by Donna Dixon



Dr. Glen McGivney

When Dr. Glen McGivney was growing up in Salmon, Idaho, he observed that the local dentist had the most free time to hunt and fish. Following this observation, Dr. McGivney decided that he should become a dentist also. After attending the University of Montana for three years, he enrolled in dental school at Northwestern University, graduating in 1962. After dental school, he enjoyed a tenure in the United States Navy, stationed at Meridian, Mississippi, for one year and then for two years at Guantanamo Bay, Cuba, where he worked with Dr. Ron Jarvis. Dr. McGivney "fondly" remembers an incident that occurred in the Navy Hospital: While helping an ENT surgeon with a procedure, an Oral Surgeon "whacked" him on the hand ... at that moment, he decided that he would not pursue a career in Oral Surgery! He, however, enjoyed Prosthodontics and decided on this as his specialty.

Dr. McGivney definitely believes that it is a good idea to practice for a while before entering a residency program in Prosthodontics. He indicates that his greatest contributions to dentistry are the rewards of providing good dentistry to his patients, participation in continuing education courses, editing of McCracken's textbook and The Journal of Prosthetic Dentistry, and most importantly his association with advanced education programs and students. He believes that the greatest challenge practicing prosthodontists face is understanding and treating people. Dental educators are further challenged by understanding both students and patients.

The greatest challenge dental researchers face, he says, is associating their scientific work with patient treatment.

Working as the Editor of The Journal of Prosthetic Dentistry has helped Dr. McGivney realize that many people experience difficulty in understanding the published literature. Being able to write on a "critical thinking" and "evidence" basis is difficult. Dr. McGivney's educational experience at McMaster University seemed to bring critical thinking "together" for him. He sees dental research becoming much more basic science oriented. He also recognizes that it is very difficult to get research money for clinical studies today. While he believes that in vitro investigations are valuable, Dr. McGivney stated that these results must eventually be applied to clinical situations; and rules regulating patient participation in needed clinical studies often make in vivo investigations difficult.

Dr. McGivney's wife and three children (none are dentists) are the focal points of his life. He cited golf, tennis, and skiing as his hobbies; and, further stated that he immensely enjoys being a Life Fellow of The Academy of Prosthodontics! ❖

Scientific Session, cont. from pg. 1

Dr. Howard Landesman will moderate the Monday session "**Managed Care: Heaven, Hell, or Just Purgatory?**" Dr. Howard Bailit will describe the impact of managed care on prosthodontic practice. Dr. James Garrison will investigate the reasons for change and its affects on dental schools and the profession. Dr. Robert Stein will tell us how we can learn from the recent experiences of the medical profession. A panel discussion will complete this session.

Implant dentistry will again be highlighted in the final Tuesday session. Drs. Carlo Marinello, Rainer Bergmann, Cheryl Sheets, Kenneth May, and Roman Cibirka will discuss clinical problems and procedures, research findings, and patient satisfaction parameters.

This informative and thought provoking meeting will be held at the Four Seasons Hotel in beautiful, sunny Newport Beach, California.

Hope to see you there!

Shane N. White



Critical, continued from page 2

on retrospective or inappropriate study designs. Such clinical procedures may be useful, but they may not be supported by sound fact. We need to move past the teaching method of the "Three Monkeys" (see-one, do-one, teach-one), or provide recommendations for patient care based upon a sample size of $n=1$ i.e., "... in this one 'special' patient this was the treatment rendered ..." This change will not come easy for prosthodontics which has often been relied on "show-and-tell" or "do it my way" category of presentations. Carefully conducted scientific research must be recognized and incorporated into our educational programs. Authors must clearly designate their research designs in the titles, abstracts and methods sections of their papers. Readers need to understand and identify the strengths and limitations of the research designs used (Table on page 2).

As time is becoming more precious and the volume of published material is exploding, we must teach our "students of critical appraisal" which literature is worth reading and which ones should be summarily discarded. Changes toward critical analysis thinking will directly affect both undergradu-

ate and postgraduate students. First, reading, recognition, and comprehension skills will be improved. Secondly, the fundamental understanding of logical inference and the methodology of evidence based health care will be developed. Dental educators would benefit their students by being able to explain and teach analytical methods and different research designs. Additionally, undergraduate students receive minimal education in statistics and may be better able to understand it from a future peer. These suggestions may necessitate the teaching of basic biostatistics by the dental educator, not the Ph.D. statistician, ... a scary thought for some educators — but why should it be that way? Statistical applications taught in this fashion may be applied in a dental context and in a more understandable way.

These changes will prepare the student to become a better educator, researcher and practitioner. The beneficiaries will ultimately be our patient's and dentistry's future.

Jonathan P. Wiens

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