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dental student newsletter

NO 14 '68



COVER PHOTO. The X7700 electron micrograph appearing on the cover is of a silicate cement after setting. The core is unattacked powder particles surrounded by a silicic acid gel matrix.

The proportion of the gel to the undissolved particles depends upon the amount of powder incorporated into the liquid during the mixing. Generally, for greater strength and insolubility, it is advisable to incorporate as much powder as is consistently possible. In a properly mixed cement it is estimated that 10% of the mass of solid particles is dissolved before the gel forms. The final structure of the set cement consists of 20 to 30% gel matrix, with the undissolved powder particles occupying the remainder of the mass, as is evident in the electron micrograph.

Photograph courtesy of R. F. Hochman.

*"The Science of Dental Materials,"
by E. W. Skinner and R. W. Phillips*

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Highlights from a Traveller's Notebook

DREXELL A. BOYD, D.D.S.

Upon receiving an invitation to participate in the national meeting of the Asociacion Odontologica Argentina, held last December, I cleared my responsibilities with the administration and immediately accepted. This haste was influenced by previous experience and interest in South American dental practice and education.

This invitation, while not completely clear as to what was expected, set into motion a series of events that terminated in my giving three postgraduate courses in Operative Dentistry in as many South American dental schools, as well as two programs at the Argentina meeting. Upon publication of my dates in Argentina, two Indiana graduates involved in dental education in Brazil, Dr. Antonio Rosat, Chairman of the Department of Prosthodontics, University Rio Grande do Sol, Porta Alegre, Brazil, and Dr. Cid Menegale, Chairman of the Department of Operative Dentistry, University of Rio de Janeiro arranged a schedule for me to speak at their respective schools. These schedules to speak turned out to be short postgraduate courses and not just speaking engagements.

Upon learning of the invitation, my wife, Dorothea, who accompanied me on the previous trip to South America, and I immediately went to work figuring out how to use our travel funds and trim the budget to make it possible for her to make the trip. For these efforts I am most thankful, as her thorough preparations and subsequent participation in the various events associated with dental meetings made the trip all the more enjoyable.

Flight to B.A.

We left New York the evening of November 30, via Varig Air Line and flew nonstop to Rio de Janeiro where we had an hour and a

Dr. Drexell A. Boyd, Professor of Operative Dentistry

half lay over for refueling and crew change, and were met by Dr. and Mrs. Cid Menegale and their daughter Denise. They briefed us tentatively on our subsequent activities in Brazil upon our return from Argentina. After this all too short visit we continued our trip southward, stopping in San Paula, Brazil, Montevideo, Uruguay, and at last Buenos Aires. The trip from Indianapolis, allowing for layovers, took twenty-nine hours, and to say the least, was a bit tiring.

We were met at Buenos Aires by one of the outstanding dental personalities in Argentina, Dr. Julio Brancas Mooney, who served as my interpreter and our host. The trip from the airport, around 25 miles, was an experience to be long remembered as it introduced us to Buenos Aires and Argentina driving and traffic. I don't believe automobile transportation could be any more frightening any place in the world than Buenos Aires, as they "play chicken" in every traffic lane and intersection. There are few stop signs, traffic lights, or policemen, and the larger the car or truck the more the driver tries to bluff the other driver.

Our accommodations in Buenos Aires, the Plaza Hotel on the Martin Plaza, were excellent. The food service and communications were the best we experienced on our trip. However, communications out in the city away from the hotel and our friends were often most difficult as most Argentines didn't seem to be able to comprehend our Berlitz Spanish or sign language.

Just after our arrival I was informed that I was to give a six half-day postgraduate course on "Contemporary Operative Dentistry Procedures," which was to begin the next day, Saturday, at 8:30 a.m. and was to continue Monday and Tuesday, allowing us Sunday to rest. The problem was that our friends and hosts were trying to kill us with kindness — dinner until midnight and every free hour taken up with sight seeing and other activities.

Fortunately I had brought plenty of material, extensive notes, and 1,000 slides from which I could lecture, discuss and demonstrate procedures now recognized as standard and contemporary in our country.

Courses and Clinics

Upon arriving at the dental school Friday morning, I was struck speechless, if that is possible, as the building was seventeen stories tall and took in almost a city block without any campus. I immediately asked the question why such large facilities were necessary, and how many students they had in school. When told that they had 5,000 students it was apparent why such an extensive building was necessary. Also of interest concerning this large enrollment was that there was no tuition, and all students meeting the entrance requirements are eligible to attend school. Their only cost is books and instruments. I was also informed that the drop out and officially dismissed students during the first two years was exceptionally high.

The operative laboratories and clinics, as well as other areas of instruction were quite extensive, but were still not adequate because of the large classes. As a consequence the classes were sectioned to obtain the greatest possible use of the facilities, making it imperative that all students not miss any laboratory or clinical assignment. There just isn't any time or place to make up missed assignments.

While giving the course at Buenos Aires, I had the good fortune to become well acquainted with Dr. Nicholas Parula the Chairman of the Operative Dentistry Department. He is a most dedicated, hard-working teacher, practitioner, researcher, and author. Everyone had a great deal of respect and admiration for him, as it was through his efforts, inspiration and dedication that the department functioned as well as it did. Of interest to me was the fact that most teachers had to have outside practices to make an adequate

living, as their recompense from the university was not adequate for them to even exist in the present economic situation. It is considered an honor to be on the faculty, and all members had to take competitive examination to attain their academic rank. The faculty was exceptionally large; as an example there were 85 members on the operative staff. Of further interest was that many members of the faculty and student body is made up of women.

The course in Buenos Aires was well attended by over 50 teaching and practicing dentists that paid a fee to be among those present. They were exceedingly interested in gold work, both indirect inlay and direct gold, as they have been limited in these areas of restorative dentistry because of the economics involved, and their inability to obtain the materials, golds, die stones, etc., used in these procedures. Casting gold is so short in supply that gold substitutes have been developed and are being used extensively for inlays. Many dentists were using direct self-curing resin to some extent, as a restorative, and were most interested in the technics and procedures used with this material.

Our stay in Buenos Aires was very gratifying, as the course was well received, and the hospitality extended to us by our new acquaintances was outstanding. A day of yachting on the river and in the delta passages was the highlight of our travels in Argentina.

Mar Del Plata Meeting

Following the course in Buenos Aires we were to fly to Mar Del Plata, the location of the national meeting, but changes in transportation plans resulted in our going by bus. We were joined in this journey by Dr. and Mrs. Ralph McDonald of our school and most of the clinicians that were to be on the national program. The trip, an all day affair, was a bit tiring, but was well worth the inconvenience as we got to see the pampas country with all of its wild life, small roadside communities, colorful ganchos, and countless herds of beef cattle.

Mar del Plata is a beautiful seaside resort city with extensive modern hotels and beach facilities, casinos, and a rapidly growing economy and population — the latter reputed to be the greatest in South America.

The national meeting, while not as large as our national or the Chicago meeting, was quite extensive, having many international speakers on the program. Each session was well attended by Argentinian as well as dentists from other South American countries. Organizational and scientific affairs were taken seriously, and I am sure has, and will continue to contribute to the development of the dental profession in Argentina and other South American countries. The commercial exhibits were not nearly as extensive as here in the United States, and it made me wonder why.

After completing our assignment in Mar del Plata we returned to Buenos Aires by bus, again taking a complete day for the trip. This made us a day late on our way to Porta Alegre. Frantic telephone calls proved useless, as we never made connections. A dispatched cablegram, we found later, took a day to arrive and even then was garbled.

We arrived in Porta Alegre a day late, with no one to meet us, but by luck and understanding a little Portuguese we made it through Brazilian customs and to the correct hotel. I immediately contacted Dr. Rosat, and he took over from then on. He called together those dentists that were signed up to take the course which I didn't even know I was giving, and I started lectures that afternoon after a hasty lunch, and lectured until midnight to make up for the morning session I had missed.

We did a half-break in the activities for dinner, at which time we met Dr. Rosat's family, and visited the new but not quite completed dental school. I believe it is the finest arrangement of facilities I have ever seen. All clinics, laboratories, offices, lecture halls etc., are built around a patio with light from two sides. This along with reasonably high

ceilings, pastel colored ceramic tile floors and walls made it most appealing. Unfortunately they have no money for equipment, and are in a quandary as to where it will come from, as the state and national government have cut back on all expenditures. The old school was small and run down, and it will be most unfortunate for dentistry and dental education in this part of the world if funds for equipment cannot be found.

On to Brazil

We left Porta Alegre around noon of the second day of lecturing and flew into Rio de Janeiro where we were met by Dr. Cid Mene-gale and family. This was again a wonderful reunion as they took over both the education and social activities of the remaining part of our trip. I was informed that because of political factions in the local dental society that my appearance before this group had been cancelled. However, I was to again give a postgraduate course for both teachers and practitioners. This was enjoyable, as many of the participants were individuals I had become acquainted with on my previous teaching trip to Rio. On the whole the teachers and practitioners were most interested in how we taught and practiced dentistry in the United States. They wanted to know all about procedures and materials, as well as teaching methods and technics. I spent almost half of the first session discussing teaching objectives and means and methods of attaining these, along with methods of evaluation of performance and communication between the teacher and the student.

I surveyed the school facilities and the education programs of the Operative, Oral Anatomy, Diagnosis, Edodontia and Orthodontics Departments. Often facilities, equipment and supplies were not adequate by our standards, but in most cases improvising and hard work compensated for many of these shortcomings.

Viewpoints

As a generalization, I would say that the South American dentist has not had as broad

and deep a dental educational experience as are afforded the students in our country. However, through an improvement in their curriculum, use of United States trained personnel, and sheer hard work the dentists in this part of the world are improving their services and professional lot.

The economic situation of their not being a larger segment of their population, able to buy dental services, still seems to me to be the stumbling block to the improvement of the profession. Most South American dentists, because of low fees produced by the law of supply and demand, must work considerably longer hours than their North American counterpart.

After completion of the teaching and evaluation program our Rio friends took over our itinerary, even extending our time of departure by two days. We spent this time on the famous Coco Cabana, did some shopping, sightseeing, and visited some places and friends we had become acquainted with during our previous trip.

One of the highlights of our stay in Rio was spending a day as guests of Mrs. Menegale's sister and brother-in-law at their summer home located on an island in the bay. This was a resort island for rest and relaxation, there being no automobiles, with transportation being horse and buggy and walking. I let Dot do the cycling and stuck to the buggy and walking. Another pleasant interlude in Rio was spending some time with our friends Dr. and Mrs. Gyurp and family. He is a Brazilian of Danish descent, and a graduate of the University of Michigan School of Dentistry, and Nancy, his wife, is from Illinois, and they and all of the children are fluently bilingual, which made communications easy and pleasant. They, as well as we, had visited in each others' homes and this along with some hotly contested bridge games, and mutual friends afforded us much in common for our get together and subsequent discussions.

In passing, it might be of interest to mention that the cuisine throughout our travels in the cities and countryside, while a bit different from ours, was excellent. The meat, vegetables and fruits in both quality and preparation were outstanding. The style of preparation seemed to be a combination of French, Portuguese, and Spanish which made the meals very flavorful and appetizing without being too highly seasoned. In fact, the meals and snacks were so good that both of us gained a bit of weight.

As the saying goes, 'all good times must come to an end,' and ours did when we left Rio for home on a Sunday at 12 noon. We arrived home in Indianapolis on Monday at 11:30 a.m. without complications, as the weather, customs, and plane connection in New York were all perfect. All in all, it was a most enlightening and rewarding trip for us, even though I thought they worked me too hard at times. However, seeing, doing, and becoming better acquainted with South American dentistry and dental education and the associated people was well worth the time and effort expended on the trip. We will be only too glad to make a similar trip in the future, as it will afford us another opportunity to become more involved in inter-American relations, and in turn we hope contribute to a better understanding and appreciation of our mutual interests and problems.

We Can Build on a Block System

ROY GREEN

A growing concern about the discontinuity in clinical training under the present random scheduling has led many upperclassmen to question its effectiveness.

Over the years the evolution of new courses and requirements has created a schedule that is very demanding for students and faculty alike. Presently junior and senior students are expected to prepare for twelve different lecture courses, and schedule patients in as many as eight different clinics each week. Much valuable clinical time is lost in moving equipment from one area to another, trying to schedule patients around special clinics, and

asking questions about procedures forgotten since last in that clinic.

Instructors are obliged to spend much of their time answering these repetitious questions. In addition, they must evaluate the student on the basis of his performance during that one clinical period only. Many times they have no idea of what treatment preceded an appointment, or what the final result will be. This lack of continuity in instruction tends to limit the concept of treating patients to one of only fixing teeth and fulfilling requirements for graduation. In the interest of providing more efficient use of school facilities, better and faster dental service to patients; more continuity in clinical education; and a greater opportunity for instructors to teach and evaluate their students, a "modified block assignment schedule" is being proposed.

Many dental and medical schools are already incorporating block assignments in their clinical training. Students rotate through the various departments, spending a given period of time in each. During this assignment the student is able to devote his full attention to the discipline he is learning. Techniques and procedures are learned and mastered by repetition and reinforcement, and the student feels confident in each clinic by the end of this assignment.

A total block assignment schedule is not without disadvantages, however. First, much of the instruction is forgotten if there is only one rotation through each department, and secondly it is almost impossible to follow patients to completion of their cases. For these reasons a modification of the total block schedule would seem advisable for effective teaching at Indiana University School of Dentistry. This modification called "the semi-block system" incorporates the advantages of free scheduling and total patient care with the continuity of departmental block assignments.

Under a semi-block system, students would have clinical block assignments for half the day and be allowed to schedule patients as they wish the other half. Junior students, for example, would have block assignments in the mornings, and laboratories and free scheduling in the afternoons. Seniors, on the other hand, would be free in the mornings and have block assignments in the afternoon. This would insure constant student-instructor ratios and more effective use of the present clinical facilities.

Each class could be divided into sections of about twelve students each. Then these students would rotate through each department. The number of weeks spent in each area would depend upon the credit hours and clinical requirements of the department. The student, however, would have half of each day to do laboratory work, or follow up patients he is treating in other clinics.

The frustrating problems of obtaining chairs in certain clinics would be eliminated by the controlled flow of students through the clinics. Each student would be guaranteed one unit for the duration of his assignment. Knowing for example, that he was to have a unit for twenty consecutive mornings, he could schedule his patients in that clinic more efficiently, and reduce the length of time usually required to complete treatment under the present system.

The advantages of more continuous training in each area are evidenced by an attempt toward block scheduling in several of the special clinics in the past few years. Instructors in radiology and oral diagnosis have found that they can teach more effectively if the students are assigned several days in a row rather than one day a month. The summer program in pedodontics is desired by many students because they are able to devote more time to one area. The proposed semi-block system would encompass all special clinics and help to make all the learning experiences as meaningful as the few intensified clinics that the students have preferred in the past.

This summer a pilot project in block assignments was conducted with the incoming junior students in their clinical training in the Complete Denture Department. Both the students and the instructors involved were impressed with the effectiveness of this type of clinical training. Unfortunately, it is impossible for several departments to organize block training independently when the students still have a myriad of special clinic assignments. It is hoped that the success of recent block assignments will encourage the representatives of all the departments to sit down together and organize a logical sequence of semi-block assignments upon which future students can build their clinical foundations.

Roy Green is a senior dental student, class of 1969, and has been active in investigating various visual aids in dental education.

CLASS NEWS

Senior Class

The class of 1969 is looking forward to that great day of graduation with great expectations. Many of our class will join their chosen branch of the services, while others will have their dental offices awaiting them. Whatever the path may be, the one objective that concerns us all is the completion of our clinical requirements and passing the national and state boards.

During the summer quite a few events occurred. Five of our classmates, William Griffith, Ron Wonsowicz, Gary Dickinson, Herb Stevens, and William Johnson ventured down the aisle to matrimony. We wish them very much happiness. Congratulations are also extended to the proud papas of new babies: John Vornholt, Joe Eckert, and Ken Roller. A lot of happiness we bestow to John Bond. He has recently become engaged.

Two members of our class, Ralph Paulin and Don Musselman, were active participants in the production of the new Paul Newman movie at the Speedway race track. They both thought it was an interesting experience, and enjoyed meeting some of the movie stars.

We are sorry to have lost Wally Meyers to Florida where he is now a sophomore medical student.

Rock Osmon, our president from the previous year, attended Spring Mill conference and gave us a resume on the subject discussed, "Programmed Education."

Roy Green has organized a study club whose purpose is for each member to select a dental subject of his interest, and work up a proposed presentation for new patients, using slides from that department. After each member has collected his slides, and written up his presentation, he will present it to the study club. Later each member will have for his own use all of these presentations which he can present to his own patients in private practice.

Our elections were held September 13th and the offices were filled as follows: President, Mike Mann; Vice President, Doug Barton; Secretary, Judy Johnson; Treasurer, Jean Radike; Student ADA Representative, George Vail; Year Book Attendants, Roy Green and Herb Stevens; Council Representatives, Randy Long and Vic Clevenger.

Judy Johnson

Junior Class

The Junior Class is off to a "bruising start" both in and out of the clinic. Several members totalled their sport's cars this summer. Let's hope this is not an indication of things to come.

The class officers for the 1968-69 school year are: President, Dave Steele; Vice President, Ed Shields; Secretary, Mary Ann Palmer; Treasurer, John Little.

Those involved in other extra-curricular activities are: Student Union Board, Gene Palmer; Student Council, Chuck Hazelrigg and Jack Hamilton; Yearbook, Sue Green; ADA Representative, Nick Shelly.

One of our classmates, Louis Poulos, was married Saturday, October 5, at 10:00 a.m. At 1:30 p.m. the wedding party — including the bride and groom — was sitting in the I.U. stadium watching the kickoff of the I.U. — Illinois game. Strange as it may seem, and even though he shows such unfailing loyalty, Louie has not yet donated \$100 to the I.U. Varsity Club. Therefore, Lou has since received notice from the Operative Department his work is improving, but that slightly more effort is needed. Dr. H. William Gilmore could not be reached for comment.

Mary Ann Palmer

Sophomore Class

If I may have your attention for a few minutes, please. . . It's official, the class of '71 is no longer made up of freshmen — we're now sophomores. It's hard to believe, isn't it! This is the year where we are finally understanding all the things we did last year. All of the sudden, all those "secret" techniques we so surreptitiously learned as freshmen, we now find to be acceptable and legitimate. It won't be long before we're asked by the frosh about our "wealth of information."

Other than losing two persons from the class during the summer, we returned 98 strong. Jon Wilkins even came back with his arm still in a cast! Vital statistics show that the class is currently split right down the middle, with 49 single persons and 49 married ones. June 8th was the most popular day for obtaining "blond scholarships." Several fellows welcomed new additions to their families this summer, while the Perrys, Hendricks, Lebowitzs, and Johnsons have new images ordered.

Many of the fellows are sporting the mod long sideburns look. Charles Gray, however, is going around with the "bald look." David Tice is the guy running around with an atrophied tackle box — probably due to disuse during those summer months. Bernie Dreiman was the first of us to get tangled up in his handpiece, while the Bomlinger Kid leads the pack in the number of preps done over. Working on "patients" has been quite an experience. Quite a few of us are trying to figure out how to corner a market on Yoga-practicing patients. It sure would be an easy way to make cavity preps in the maxillary arch!

Just for the record, here's a list of the class officers: Russ Blair, President; Jerry Holman, Vice President; Gary Dilley, Treasurer; Oksana Petruniw, Secretary; Joe Debrot, ADA Representative; Charles English and Phil Mallatt, Student Representatives; Steve Davis, Sub Representative.

The sophomores have the top officers in the Student ADA. Stu Siegel and Mike Freid are president and vice president, respectively. Oh yes, Bill Goebel has been appointed class jester by Dr. Ray Maesaka.

Oksana Petruniw

Freshman Class

The Freshmen dental class has elected officers for the year as follows: Richard Demko, President; James Frey, Vice President; Laura Johnson, Secretary; Tom King, Treasurer; Claude Willis, and Steve Taylor, Student Council; Edward Fritch, ADA Representative.

After the first hectic days the freshmen hoped to settle down to the "old routine of things." This doesn't seem to be the case. Instead, physiology, biochemistry, anatomy, history of dentistry, and dental technique have thickened. The initial days of confusion have given way to panic. Sometimes we are a little frustrated, such as observed in dental technique where the sigh "oh, I never thought of that" is often heard. We have finished carving a tooth in plaster, or in some cases, a lollipop on a stick.

Laura Johnson

INDIANA UNIVERSITY DENTAL DAMES

The Way the New Year Shapes Up

The Indiana University Dental Dames started the school year with a Freshman Tea held on September 8. Mrs. Sagraves gave a short talk and there was a tour of the dental building.

September 11, 1968 was the "Getting Acquainted" meeting.

Scheduled for the October meeting was a talk by Dr. Glen Sagraves, D.D.S.

A film called "Childbirth" is planned for the November 13th meeting.

A dinner-dance at the Sheraton-Lincoln Hotel will be held November 16th.

There will be a Christmas Party in December.

In January we will hear Dr. Duane Compton speak. Professor Ralph Phillips will be our guest speaker for February.

A fashion show is planned for spring. In March Mr. Robert Young will speak about the Starlight Musicals.

In April we will hear Dr. Joseph Muhler, and have elections for the following year.

The installation of the new officers will be held at the May banquet on May 13th, and this will finish our year's activities.

DENTAL HYGIENE

First Year Dental Hygiene

School has been in session for six weeks for the thirty-five girls in the dental hygiene class of 1968-1970. Being in all of the same classes together we quickly became acquainted with one another and our instructors. In getting our class organized we had a class meeting on September 24th to elect class officers. Mary Hyatt was elected president; Jane Waldon, vice president; Pat Smith, secretary-treasurer, and Mary Jo McAtte, council representative. We later elected Sandy McClean as representative for the Circle Year Book.

We also met with the Second Year Dental Hygienist Class for our American Dental Hygiene Association meeting. Upon becoming members of

this organization we elected Cheri Dyer, vice president, and Nana Wagner, program chairman.

First year hygienists kept busy the first few weeks with identification pictures, tine test, X-rays, sewing our name tags on laboratory coats, and being measured for our uniforms.

"Stunned" is the word to describe our emotions in regard to our classes and laboratories. Our laboratories are completely different from anything most of us had ever experienced. In prophylaxis we feel very awkward at times, but we find the more we practice the more comfortable we feel. In Dental Anatomy laboratory we begin with a cube of wax and are instructed to carve a tooth with perfect dimensions. To the girls' amazement, the finished product looks identical to the model. In our classes we are learning what it means to be a Dental Hygienist and what is expected of us by both the dentist and the public.

We are allowed to watch the Second Year Dental Hygienists in the main clinic whenever we want. Next semester, we will be in clinic and are very excited about working on patients rather than the manikins we are now practicing on.

Our calendar has a couple of important future dates. The first week in November is reserved for mid-term exams. Then with the Christmas season in view the Second and First Year Dental Hygienists will have a Christmas dinner on December 18th. Finally, the most important event of the year on January 26th when our "big sisters" will cap us, and our families will be present for the ceremony.

The First Year Hygienist class is enthusiastic and enjoying its first semester at the Indiana University Dental School.

Second Year Dental Hygiene

"Ugh, is studying all I have to look forward to in my senior year?"

A typical question asked of a Senior Dental Hygiene student by her "little sister," a Junior Dental Hygiene student. While studying does consume a majority of our time, the Senior Class does have activities to look forward to with more enthusiasm than we would generate for mid-terms or finals.

The Eli Lilly tour December 6th, followed by dinner and a dance affords a welcome change, as does the annual Christmas dinner to be held De-

ember 16th with the first year class and the Dental Hygiene staff.

The Junior Class' Capping Ceremony, January 26th completes the fall semester and adds another stripe to our caps, signifying a full year of clinical experience.

The Spring Semester time will be consumed studying for National Board Examinations, working for the Children of Crawfordsville, Indiana, and Muscatatuck State Institution, and completing work which will earn the Senior Class certificates in Dental Hygiene.

The culmination of our studies at Indiana University will end June 9th with Commencement.

"Yes, little sis", you have more to look forward to in your Senior Year than just studying."

FRATERNITY NEWS

Xi Psi Phi

With the beginning of a new school year, the members of Xi Psi Phi are once again in the midst of fraternal activities. A Pool Party at the home of Dr. and Mrs. Richard Herd (September 8) gave the members and alumni the opportunity to renew acquaintances, and also gave them the chance to meet the members of this year's Freshman class. The food was excellent, the refreshments were cold, and the weather was warm; all adding up to an extremely enjoyable afternoon.

Friday, September the 13th rolled around, and the Annual Xi Psi Phi Stag Party provided a welcome relief from the first week's classes. The Freshmen were given an opportunity to gain their first insight into a professional fraternity and the facilities and opportunities available to them. Gifts from a local dental supply house and door prizes of *Playboy* subscriptions proved that Friday the 13th was anything but unlucky.

A fraternity dance was held the following night, giving the girl friends and wives of members and guests an opportunity for an enjoyable night out.

The ZIP Chapter House has undergone several minor modifications during the past summer. A clean-up, fix-up week-end was organized during July, resulting in a fresh coat of paint both upstairs and in the laboratory area. New equipment and supplies have been purchased for the lab for the increasing membership of the fraternity. The recreation room was not overlooked either. A new

pool table has been provided to aid in the development of judgment of that all-important 0.1 mm.

The ZIP wives have been busy also with their associated activities during the past summer. A well organized, well run rummage sale in July provided additional funds for their treasury, the proceeds going to a fraternity hayride planned for the month of November. They are also assisting in the plans for the Christmas dance this year.

With the first hectic weeks of school behind us, things are beginning to settle down to normal around the campus. The Freshmen are exuding the unmistakable odor of Dr. Webster's Wonder Perfume; Sophomores are quietly sneaking down to the restroom to carve the anatomy into those *&#%\$#*)# maxillary amalgam restorations; Juniors are staring nervously at real patients; and the Seniors are already dreaming of graduation. All in all, the beginning of another typical year.

Anything but typical are the plans being made by the men of Xi Psi Phi for the remainder of the school year: guest speakers; more assistance to the Freshmen class; additional equipment for the lab; new furniture for the fraternity house. And would you believe a marching band, complete with majorettes and a trained bear?

Russ Blair

Delta Sigma Delta

Continuing again this Fall and Winter the Delts are planning to have a dance every month. One of these will honor the new Sophomore pledges for the Fall term. As can be expected, we all look forward to these dances as a great time to "let off steam."

Earlier this Fall the officers of Delta Sigma Delta met to plan this school year's budget and calendar. At this meeting it was also decided to improve alumni relations. To do this we decided to establish an alumni letter which will be sent out regularly to inform the alumni of what the undergraduate chapter is doing. In this manner we hope to get more inter-participation and support on both parts.

Bailey Hinton

PSI Omega

A day in the life of the dental student is a full one, and so are the days in the life of Psi Omega.

The men of Psi Omega opened their social season for the 1968-69 school year with a TGIF the second week in September, offering a hearty welcome to the new Freshman dental class. Many ideas of "what is to come" were offered through the eyes of those who have seen it, and conversations found their nuclei around many academic subjects. Our best wishes are extended to the Freshmen for an interesting and beneficial first year here.

Psi Omega's Rush Weekend, the last of September found the fellows in a stag-state on Friday renewing past acquaintances and introducing new ones. On Saturday night, the wives and dates of the members and rushees were invited to join in the festivities. Dinner was served after cocktails and music for dancing was provided by the Alan Barkus Trio of Terre Haute.

Early November brought with it a change of social pace with a "paint-your-partner party." Paint was paint and the canvas was the old-clothed partner for the evening. An uninhibited atmosphere prevailed, providing enjoyment through participation for all in attendance following the mid-term period.

Plans are in the formative stages for the social aspects of the holiday season. The traditional tree-trimming activities are to be included.

Much effort has been expended during the past few weeks to continue improvements of the chapter house. A new face has been given to the game room, with additions to the laboratory facilities and other parts of the house as well. Only through the enthusiasm of the members, their willingness to give freely of their time, and the ever increasing support of the alumni were these additions made possible.

Our slate of officers for the 1968-69 school year is as follows: Grand Master, Marc Smith; Junior Grand Master, Peter Yancich; Treasurer, Louis Poulos; Secretary, Jay Hernly.

Our door at the Omega Chapter house of Psi Omega, 1325 West Michigan Street is ever open to all. Feel free to drop in and introduce yourself. Enjoy with us the warmth and fellowship that makes Psi Omega, Psi Omega.

Jay Hernly

Alpha Omega

The Alpha Omega chapter is once again planning an enjoyable program for the semester.

We have been invited to attend the monthly alumni chapter meetings, where topics of importance to us, as both professionals and members of the community are discussed. We are also planning an evening to be highlighted by the movie "Funny Girl."

Congratulations to Doug Barton who received the award for the outstanding table clinic at the Dental School Alumni Association meeting held in Bloomington.

Jake Brummel

ADA NEWS

PR AND DENTAL RESEARCH

Mrs. Tula Brocard, Information officer at the National Institute of Dental Research, noted that "both dentistry and dental research suffer from the public's obsolete view of the dentist as an artisan-technician." Dental public relations must seek to change this image. Dental research which now covers more than 30 disciplines, is an excellent field to use because "reporting the research from such a broad base of science helps to erode the common misconception of the narrowness of dentistry."

EDUCATIONAL SPOT ANNOUNCEMENTS

Miss Jo Carey, staff writer of the ADA Bureau of Public Information, discussed the ADA's TV spot announcement program and reported on a recent survey of television stations conducted to determine usage of the ADA films. She said that "use of the spots ranged from 4 to 60 times a month. The average was a little above 11 times a month. Using this as a basis for the average number of times each of the 270 TV stations use the films, we find that the ADA spots are played approximately 3,000 times nationally each month." It is estimated the ADA receives about \$4,000,000 annually in free public service time.

ADA TO START NEW PATIENT EDUCATION PROGRAM FOR DENTAL OFFICE

The ADA in 1969 will initiate a new patient education program for use in the dental office, it was announced by Sec. Harold Hillenbrand. The new program will utilize patient counseling films packaged in individual cartridges for use with an automatic TV-type projector allowing viewing of any subject in the series as selected by the dentist for the individual patient. Films and a projector will be made available to dentists on an annual lease basis for \$50 per month. Dr. Hillenbrand said the films will be produced and distributed by Professional Research, Inc., a subsidiary of American Medical Enterprises, Inc., Los Angeles, Calif. The firm will conduct basic research, develop and produce films on subjects recommended by the ADA. It will also create film literature and handle the marketing aspects of the new ADA program.

Research and development work on the films will begin immediately. The ADA has named advisory committees to provide consultation on each subject. Production is scheduled to begin in September and distribution of the films will begin next spring. Dr. S. Jerome Tamkin, president of Professional Research, Inc., said the firm has previously developed a library of patient counseling films on obstetrics, gynecology, ophthalmology, anesthesiology and hospital care. In addition to the patient counseling film subsidiary, American Medical Enterprises, Inc. owns and operates hospitals and biomedical test laboratories.

ADA MEMBERSHIP AT 110,110

Membership in the Association set a new record on July 20 with 110,110. A breakdown follows: active and life members, 94,505; affiliate members, 400; associate members, 58; honorary members, 89; student members 15,058.

PR CONFERENCE TOLD AUXILIARIES EXCELLENT PUBLIC RELATIONS RESOURCE

Dental Auxiliaries, and particularly "the hygienist, can and should have a greater role in the public relations within the office, and perhaps what is a beginning role in public relations outside the office," Mrs. Irene Nantz of Grand Rapids, Mich., told the 125 participants in the Fourth National Conference on Dental Public Relations August 5-6 in Chicago. Mrs. Nantz is editor of the Dental Hygiene Bulletin of the Michigan State Dental Hygienists' Association. She said, "there are hundreds of hygienists who are discontent with the status of dental hygiene." Dental hygienists have great potential, but "this potential has not been used. Instead it has been cramped and smothered by state laws that restrict the hygienist technically, and by overly cautious dentists who cringe at the thought of losing their so-called status to a young, flippant office girl." Mrs. Nantz added: "Put your hygienist in the role of a public relations coordinator and you will have awakened the sleeping beauty who knows and believes in your value. . . . If we support you in the office, we can support you on television, in newspapers, on the radio and in any other means of communicating with the public." But she cautioned: "If you insist on hiding us in the recesses of the office, classifying us in the hired help category, denying us professional status, you will be keeping several thousand minds and pairs of hands in a frighteningly narrow role."

6 MILLION CANADIANS RECEIVE FLUORIDATION

More than six million Canadians resided in 313 communities with controlled fluoridation at the end of last year. An additional 197,000 persons were living in communities with natural fluoridation, thus increasing the total number of persons receiving the benefits of the measure to 6,260,000.

NEW STUDY FOR DENTAL, MEDICAL AUXILIARIES

A group of Southern California hospitals and colleges will conduct a research project aimed at developing effective two-year training programs in community colleges to meet the national need for dental and medical auxiliaries, the U.S. Office of Education has announced. Upon completion of the four-year study, researchers plan to make available to community colleges complete instructional systems to train students for health field careers, including dental assistants and dental laboratory technicians. The curriculum design will enable students who wish to go on to higher academic degrees to apply their two-year programs for maximum credit. The project also is designed to provide continuing education for technicians already on the job.

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