
Alumni Bulletin

INDIANA UNIVERSITY



SCHOOL OF DENTISTRY

SPRING ISSUE / 1966

Indianapolis, Indiana

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Indiana University School of Dentistry ALUMNI BULLETIN

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A free and non-profit bulletin issued by Indiana University School of Dentistry, Indianapolis Indiana, for the purpose of keeping its alumni informed of the activities and progress of the School.

Endodontic Therapy Using General Anesthesia

Harry J. Healey,* Franklin S. Weine,† and Samuel S. Patterson,‡

In the post-World War II era it was recognized by the administration of the School of Dentistry that there was a need for expansion and improvement in the teaching of endodontics in the school. Authority and responsibility were delegated to accomplish that objective. Evolutionary changes were made in techniques and materials used as was a closer application of the biologic sciences to the teaching of endodontics. As a result of the continued improvement, student interest and appreciation for the value of pulp canal therapy increased. Consequently, in 1949 the Division of Endodontics was created. Progress continued in the teaching program with formal semester lectures and laboratory courses established in 1961, separate departmental status, i.e. the Department of Endodontics, was granted. Clinical requirements were increased, and it was most gratifying to observe the effective manner in which the pre-clinic instruction was applied in the treatment of patients.

The School of Dentistry now has a graduate program of two years of study in endodontics which meets the educational requirements for applying for the examination for specialty certification by the American Board of Endodontics. This advanced course of study requires an original research project with the preparation of a thesis based on it and leads to a Master of Science in Dentistry degree. The graduate students are given the opportunity to treat complex endodontic therapy cases and other conditions having a related nature. Eleven persons have earned the M.S.D. degree to this date.

Due to the above mentioned foresight of the administration the use and value

of endodontics is greatly appreciated by the other departments of the school and the eventual dentist is far better prepared to take care of the dental health needs of the public.

R.W.P.

Endodontics has been a field of recent impressive advances.¹ Improvements in techniques,^{2,3} culture testing methods,^{4,5,6} and filling materials,^{7,8,9} coupled with a better understanding of periapical lesions^{10,11} and the physiology of inflammation¹² has improved the probability for successful endodontic therapy without employing surgical methods.

Even so, on some occasions there is a need for a close association between the endodontist and the oral surgeon when the use of hospital facilities are required in order to retain pulpally involved teeth. The indications for such combined services include:

1. Unmanageable youngsters, or patients of any age, for that matter, who are unwilling to cooperate for office procedures.^{13,14}
2. Large, bone-destroying lesions that involve a number of teeth, and/or are in close proximity to important surrounding structures.¹⁵
3. Systemic diseases that require close medical cooperation, such as diabetes or history of cardiac disease,^{16,17}

In cases of these types, which will be more fully explained later, the oral surgeon is responsible for making the surgical incision, excising the pathologic lesion,

* Chairman and Professor of Endodontics

† Graduate student, Endodontics

‡ Associate Professor of Endodontics

exposing the apices of the involved teeth, and eventually closing up the area. Meanwhile, the endodontist is responsible for the intracanal therapy aspects of the case.

Pre-Operative Considerations

Considerable advance preparations are necessary in handling these conditions, since any additional work that is done at the time of surgery extends the time of anesthetic administration. Adequate periapical and extra-oral radiographs are quite important, in order to approximate the size of the lesion. Occlusal radiographs are often most helpful.¹⁸

The oral surgeon, who is responsible for admitting the patient to the hospital, a physician of the medical staff and the anesthetist discuss the patient's medical history and physical condition. As a consequence certain contra-indications may be determined. In previous cases these have included patients undergoing radiation therapy for a malignancy^{19,20} and patients with a questionable cardiac status.¹⁶

It is helpful for the endodontist to see the patient in the dental office prior to the surgical procedure. Any involved necrotic pulp teeth may be opened, their canals enlarged and master gutta percha points fitted and radiographed, according to routine treatment.²¹ The master points are retained in a sterilizing solution to be used at the time of surgery and drainage via the canal established to prevent acute exacerbations.

If a pre-surgical visit to the dental office is impossible and all endodontic procedures must be done at the same time of surgery, the fact that the apices of the teeth to be treated are exposed allows for the necessary visualization for instrumentation and canal filling.

In addition to surgical instruments normally employed by the oral surgeon,²² the following instruments should be autoclaved and available for surgery:

Plastic instruments
#557 and #4 burs
Front surface mirrors
Cement spatulas
Mixing slabs (glass)
Irrigating syringe and tips

The following materials should be sterilized by chemical sterilization and available for surgery:

Adequate numbers of root canal files, from smallest to largest size
Master gutta percha points previously adjusted and fitted
Additional gutta percha points of various sizes
Auxiliary gutta percha points

The following need not be sterilized, but should be available for use:

Phenol (liquified)
Alcohol (95%)
Irrigating solution
Root canal sealer
Temporary filling material

A dental engine should be present to facilitate the openings into the pulp chambers. Interchangeable handpiece sleeves are presently available and these may be sterilized prior to surgery. By using a sterile sleeve to fit over the pulleys and belt of the engine, the chain of sterility is maintained.

For use with a dental engine, Fluothane (halothane) as an anesthetic agent is especially desirable.^{23,24} It is non-explosive, non-inflammable, has a high potency and is contra-indicated only in patients with a history of liver damage.²⁵

Case Report One

A 25-year old white male was referred for treatment of a chronic infection of the left maxilla. (See Figures 1A and C) The patient was seen in the School of Dentistry endodontic clinic and the canal of the upper left central incisor was

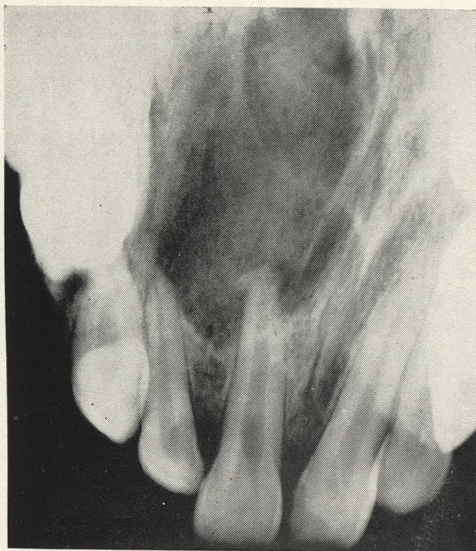


Figure 1-A

Pre-operative occlusal radiograph. Note the comparatively large pulp chamber of the upper left central incisor and the proximity of the periapical lesion to the upper left lateral incisor and cuspid. The periapical radiolucency does not appear to extend past the midline of the maxilla, but the posterior extension approaches the sinus and the superior extension the floor of the nose.

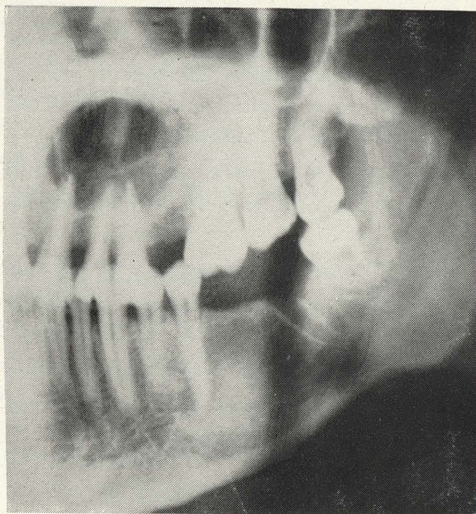


Figure 1-B

Section of a panorex radiograph taken two days post-operatively. The root canal fillings appear well condensed to the apices. The upper left bicuspid roots have been extracted. Due to the projection, the anterior border of the lesion is indistinct, but the posterior approaches the sinus.

entered, enlarged and a master gutta percha point fitted. The patient returned home and was hospitalized at Robert W. Long Hospital seven days later under normal admitting procedures. Pre-operative orders included: no intake of food after midnight of the night preceding surgery, and 100 mgm. Demerol and 1/150 grain atropine sulphate both one hour before surgery.

The patient was intubated nasotracheally and halothane administered. He was prepared and draped, his throat aspirated, and a moist throat pack placed by the oral surgeon, who then made a muco-periosteal incision near the muco-buccal fold from the midline to the area above the left bicusps. The tissue was reflected and the labial plate removed with a rongeur forceps. A large defect in the maxilla was located and the rarefied area enucleated with a double-end curette. Following the removal of the contents of the cystic cavity, the apices of the left central, lateral and cuspid were exposed by means of a bone bur under irrigation. (Figure 1D)

At this point the case was turned over to the endodontist. The upper left lateral incisor and cuspid were entered through the lingual surface in a routine manner; vital pulps were extirpated and together with the central incisor given immediate disinfection with phenol and alcohol.²⁶ The root canals were then filled routinely (Figures 1E and F) and the case returned to the oral surgeon. The two bicusps were extracted and the defect filled with 30 inches of one-quarter inch width iodoform gauze and the incision closed by multiple black silk sutures. (Figure 1G)

The patient tolerated the procedure very well, with an estimated blood loss of 400 cc. and fluids were given intravenously, i.e., 150 cc. of 5 per cent dextrose and water. Post-operative instructions included: soft diet, intermittent ice pack applications, and A.S.A. with 1/2

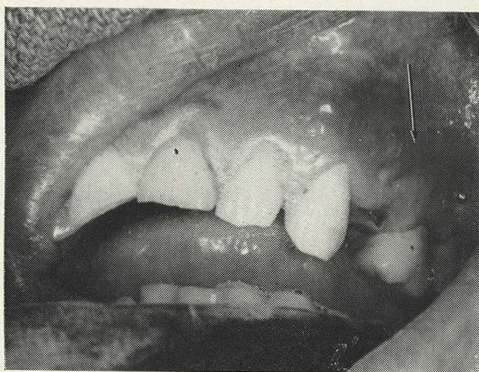


Figure 1-C

Pre-operative view of the surgical site. There is cortical expansion of the labial plate with a chronic draining sinus from the bicuspid roots (arrow) and discoloration of the left central incisor.

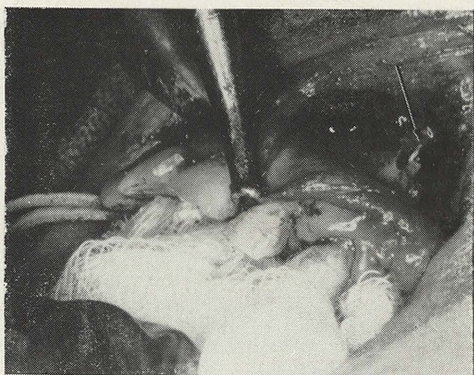


Figure 1-F

Lateral condensation has insured a hermetic apical seal as demonstrated by the overfilling (arrow). The excess is easily removed through the surgical opening.

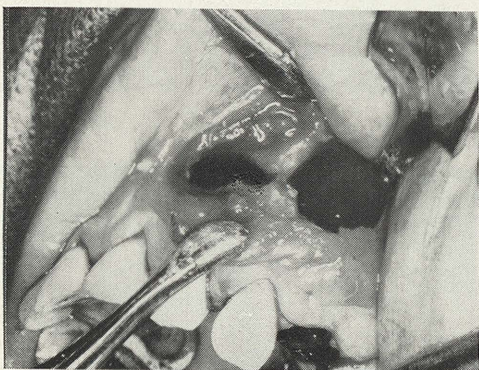


Figure 1-D

The contents of the cavity have been enucleated and the apices of the involved teeth exposed.

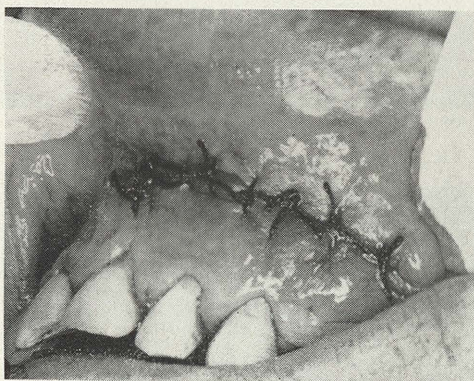


Figure 1-G

Post-operative photograph showing the sutures in place.

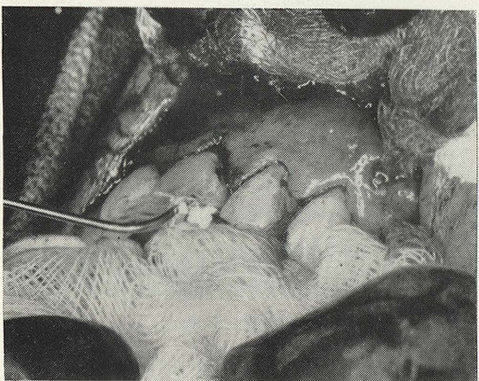


Figure 1-E

Using a spreader, the root canal filling is placed in the upper left central incisor by the lateral condensation method.

grain codeine as needed for pain. The post-operative period was uneventful, with only minor swelling. The iodoform gauze was removed a few inches at a time for a period of four weeks.

Case Report Two

A 28-year old white female was referred for treatment of radiolucencies of the lower anterior teeth. (See Figures 2A and B) The patient was unwilling to cooperate for routine office endodontic procedures and therefore was admitted to Robert W. Long Hospital for treatment under a general anesthetic. Treatment performed was similar to that in previous

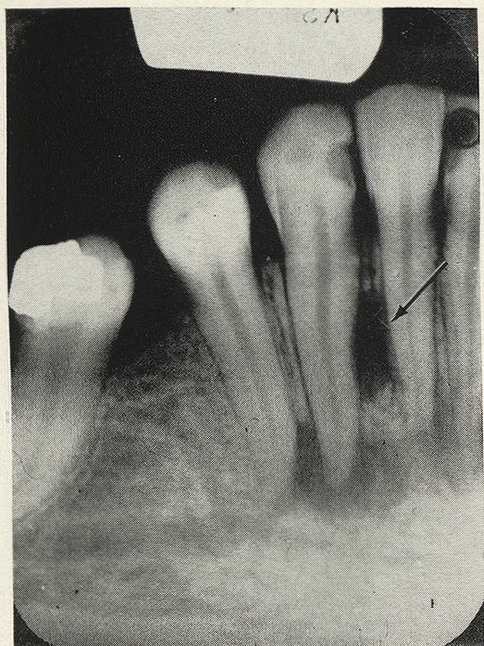


Figure 2-A

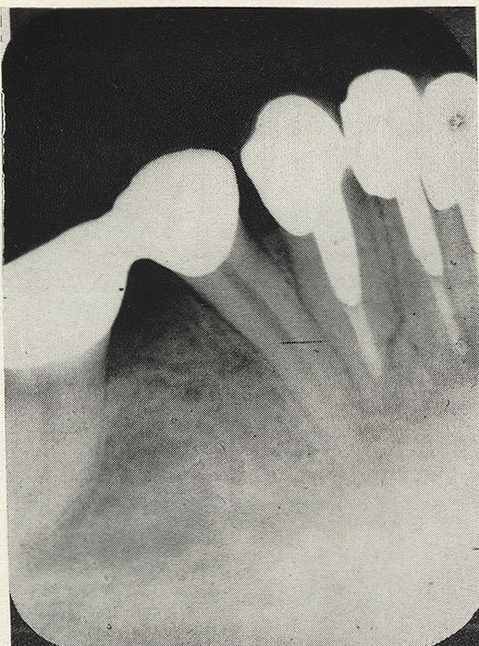


Figure 2-C

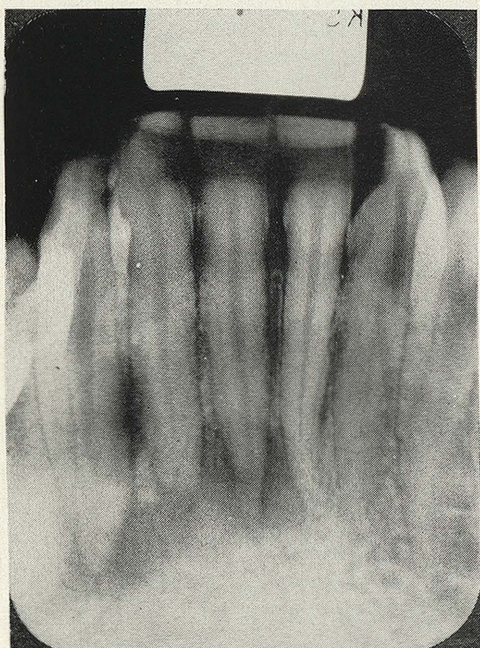


Figure 2-B

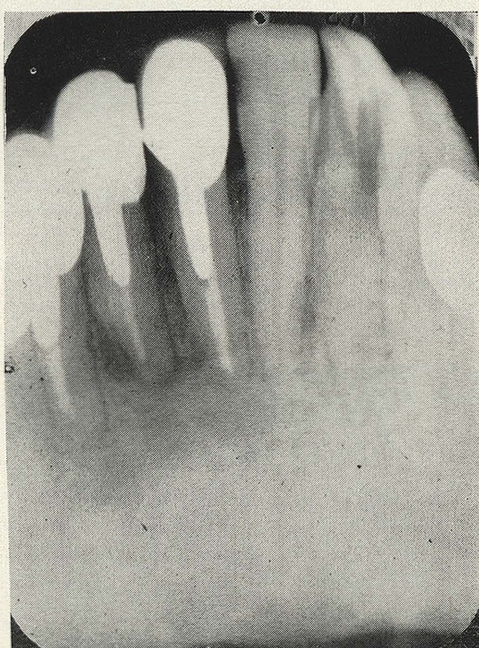


Figure 2-D

Pre-operative periapical radiographs showing incisor area (2A and 2B). Note the size of the periapical radiolucencies from the apical portion of the mesial surface of the lower right central incisor to the apical portion of the mesial surface of the lower left first bicuspid, including interproximal area (arrow) between the cuspid and lateral incisor.

Eighteen months post-operative periapical radiographs. The left central, lateral and cuspid have been treated endodontically. Note that the radiolucencies have healed and the teeth have been restored with post and core jacket crowns. (Courtesy of Dr. W. W. Kemper)

case report. Post-operative radiographs (see Figures 2C and D) taken 18 months later indicate healing. Note the excellent restorative procedures used in conjunction.

Discussion

Both the endodontist and the oral surgeon are concerned with the treatment of teeth with periapical pathoses and routinely treat these cases according to their individual concepts. In unusual situations, a joint undertaking by both are required to obtain optimal results.

Whenever surgical endodontic techniques are employed, it must be remembered that certain disadvantages exist. However, with judicious selection of cases, comprehensive planning of operative procedures and close cooperation during surgery, a favorable prognosis can be expected.

Summary

1. Some teeth with pulpal and/or periapical involvements may best be treated by an endodontist and an oral surgeon working together in a hospital operating room. The indications include patients who are extremely difficult to manage in the dental office, patients with certain systemic diseases, and the presence of extensive periapical lesions.
2. A list of the necessary endodontic supplies has been given.
3. Two case reports describing a typical procedure have been presented.
4. When handled in the manner suggested, an important contribution to the patient's dental health is made.

Acknowledgments

The authors wish to thank the oral surgery department of Indiana University, School of Dentistry, and specifically Doctor Charles Hutton, Doctor Charles Redish and Doctor Arnold Felton. Special

thanks to Mr. Richard C. Scott for his photographic work under very difficult conditions are also extended.

REFERENCES

1. Healey, H. J.: Endodontics. Practical Dental Monographs, January, 1963.
2. Ingle, J. I.: Endodontics. Philadelphia, Lea and Febiger, 1965, p. 55.
3. Sommer, R. F., Ostrander, D. F. and Crowley, M. C.: Clinical Endodontics, ed. 2. Philadelphia, W. B. Saunders Co., 1961, p. 109.
4. Zeldow, B. J. and Ingle, J. I.: Correlation of positive cultures to the prognosis of endodontically treated teeth: a clinical study. JADA, 66:9, January, 1963.
5. Crawford, J. J. and Shankle, R. J.: Application of newer methods to study the importance of root canal and oral micro-biota in endodontics. Oral Surg., Oral Med., Oral Path., 14:1109, September, 1961.
6. Grossman, L. I.: Endodontics, ed. 6. Philadelphia, Lea and Febiger, 1965, p. 317.
7. Healey, H. J.: Simplified and effective method for filling root canals, U.S. Armed Forces Med. J., 5:103, 1956.
8. Stewart, G. G.: A comparative study of three root canal sealing agents. Oral Surg., Oral Med., Oral Path., 11:1029, September, 1958, and 11:1174, October, 1958.
9. McElroy, D. L. and Wach, E. C.: Endodontic treatment with a zinc-oxide-Canada-balsam filling material. JADA, 56:801, June, 1958.
10. Patterson, S. S. Shafer, W. G. and Healey, H. J.: Periapical lesions associated with endodontically treated teeth. JADA, 68:191, February, 1964.
11. Wais, F. T.: Significance of findings following biopsy and histologic study of 100 periapical lesions. Oral Surg., Oral Med., Oral Path., 11:650, June, 1958.
12. Menkin, V.: Biochemical Mechanisms in Inflammation, ed. 2. Springfield, Illinois, Charles C. Thomas, 1956.
13. Best, E. J., Bragman, R. D. and Gurney, B. F.: Utilization of general anesthesia and hospital facilities in surgical endodontics. Oral Surg., Oral Med., Oral Path., 17:779, June, 1964.
14. Cranin, A. N. and Cranin, S. L.: The operative management of a difficult case. J. Dent. Children, 21:110, 2nd quarter, 1954.
15. Thoma, K. H.: Oral Surgery, ed. 3. St. Louis, C. V. Mosby, 1958, p. 1020.
16. Dinon, L. R. and Strang, J. E.: The dental patient with heart disease. Dental Clinics of North America. Philadelphia, W. B. Saunders Co., July, 1958, p. 335.
17. Sindoni, A. Jr.: The role of the dentist in diabetes mellitus. J. D. Med., 9:205, 1954.
18. Manson-Hing, L. R.: Utilization of extra-oral roentgenographic techniques in general dental practice. Dental Clinics of

- North America, Philadelphia, W. B. Saunders Co., July, 1961, p. 437.
19. Burket, L. W.: Oral Medicine, ed. 5. Philadelphia, J. B. Lippincott Co., 1965, p. 55.
 20. Compton, D. E.: Personal Communication.
 21. Healey, H. J.: Endodontics. St. Louis, C. V. Mosby Co., 1960, p. 137.
 22. Weinstein, I.: in Douglas, B. L. and Casey, G. J.: A Guide to Hospital Dental Procedures. Chicago, American Dental Association, 1964, p. 85.
 23. Wood-Smith, F. G. and Stewart, H. C.: Drugs in Anaesthetic Practice. Washington, Butterworths, 1962, p. 63.
 24. Trieger, N.: Fluothane anesthesia for ambulatory oral surgery patients. Evaluation of 400 cases. Oral Surg., Oral Med., Oral Path., 16:31, January, 1963.
 25. Harrigan, W. F. and Goldberg, M. H.: Halothane and hepatic toxicity. Oral Surg., Oral Med., Oral Path., 16:803, July, 1963.
 26. Weine, F., Patterson, S. S and Healey, H. J.: The effectiveness of phenol in endodontic immediate disinfection procedures. Accepted for publication by JADA.

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Dr. Noonan Appointed to Pedodontic Staff

In September Dr. Roger G. Noonan was appointed Assistant Professor of Pedodontics. Born in Ashland, Kentucky, he received the B.S. cum laude from Marshall College with a major in mathematics. In 1955 he was graduated from the University of Louisville School of Dentistry. For the next two years he served in the Army Dental Intern Program at Brooke Army Hospital in Texas. After a short tour of duty at the Army Medical Service School he served in Germany as a director of a small Army Dental Clinic. He was discharged from the Army in 1960.

Following the award of a Mott Foundation Fellowship, he enrolled in graduate study in pedodontics at the University of Michigan and received the M.S. degree in 1963. Upon graduation he assumed the position as Coordinator of Dental Research at the Mott Children's Health Center in Flint.

He is a member of the American Society of Dentistry for Children, the American Academy of Pedodontics, the International Association for Dental Research



Dr. Roger G. Noonan, newly appointed Assistant Professor of Pedodontics.

and the Kenneth A. Easlick Graduate Society.

Dr. Noonan is married and has three sons.

Oral Diagnosis / Oral Medicine

*Thomas B. Fast**

Oral diagnosis may be defined as the art of using scientific knowledge to identify disease processes and distinguish one disease from another. Oral medicine is concerned with diagnosis and also with treatment, consultation, referral, and other phases of patient management. Implied in the definition of both disciplines is the ability to conduct a thorough oral-dental examination. The purposes of this department are to: (1) help the student develop these skills; (2) provide patients for clinical instruction in the other departments within the school, and (3) maintain a complete file of the records of patients and their examination and treatment.

Dental students are provided supervised experience in history recording, certain physical diagnostic procedures, techniques of oral-dental examination, and minor emergency dental treatment. They are encouraged to apply their knowledge of the pre-clinical sciences to recognize the difference between normal variation and abnormality, and to organize and analyze their findings in such a way that a disease process can be identified. Stress is placed on the effects of general health on oral health and dental treatment, and the reverse.

Students are required to use various diagnostic techniques such as electrical and thermal pulp tests, excavation, exploration, aspiration, palpation, cytological smears, routine radiographs and others. They are encouraged to use more advanced diagnostic aids whenever possible. These include tests for bleeding and clotting time, referral for biopsy, clinical pathology laboratory tests, and written requests for consultation.

Methods of determining the causes of pain of pulpal, periapical or periodontal

origin are emphasized. Students also are given special projects in areas such as treatment planning, evaluation of laboratory reports, requesting and writing letters of consultation, and identifying unknown medications. Special cases are discussed with the students in a seminar-type environment.

The more difficult diagnostic cases are assigned to graduate students for evaluation. These students also function in the capacity of instructor and obtain valuable experience in teaching dental students at the clinical level.

Dental hygiene and dental assistant students are assigned to the clinic where they observe oral examinations, take histories and assist in the care of emergency patients.

The facilities of the oral diagnosis clinic have been greatly enlarged and improved during the past ten years. The clinic consists of the equivalent of five dental offices in individual cubicles; two of which are equipped with high-speed handpieces. In addition there is a mobile cart which can be moved to any of the units and which contains most of the necessary diagnostic instruments and therapeutic medicaments. A cabinet is present with a rotating display of dental drugs and medicines used for other purposes, which might be of importance to oral diagnosis and treatment. A small departmental library is provided for the faculty and students and its use is encouraged.

A modern record filing system (Terminal Digit System) is now in use in the clinic area formerly used as a waiting room. This has enabled the staff of three clerks and a dental assistant to handle

The faculty consists of the chairman, two additional full-time and five part-time clinical teachers. The faculty is drawn from men with varied backgrounds. Some

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Figure 1

PATIENT REGISTRATION AND CHART ROOM: Here the patients are interviewed prior to their initial oral examination. After the examination, the charts are then filed in this same area.



Figure 2

CLINIC AREA (Room 202): This represents one of the five cubicle areas used to examine patients and provide minor emergency treatment.

the increased number of patients and their charts more efficiently. have had graduate training or hospital internships, and others have had extensive private practice. This enables the student

to obtain varied opinions regarding the management of cases. A favorable student-teacher ratio makes close supervision and much personal attention possible.

A few years ago, room 217—formerly a lecture hall, was converted to a research laboratory and offices for the department. This area now is devoted to the laboratory investigations of the faculty and three or four graduate students of this department. Also, laboratory assistance is furnished faculty members and graduate students of other departments in relation to their research. In addition to the chairman, a full-time research associate, the departmental secretary, and a most efficient laboratory technician and her helpers work in this area.

More than 11,000 patients are seen in the oral diagnosis clinic annually. The routine patient is seen at two separate visits before a diagnosis is finalized. During the first visit the patient is questioned and examined for any evidence of systemic and visible or palpable intra or extraoral pathosis. Such things as a history of rheumatic fever, palpable cervical or submandibular lymph nodes, fistulous tracts, masses or ulcerations, or abnormalities in color, consistency and function are noted and recorded in the patient's chart. The patient then is referred to radiology for full-mouth radiographs. The second visit usually is by appointment and the student, under supervision, performs and records a complete oral-dental examination and interprets the radiographs, charting the presence of caries, periodontal disease, apical pathoses and other roentgenographic findings. At this time, treatment planning is discussed with the student, although final treatment planning is not accomplished in this clinic.

Emergency patients are seen in a manner similar to the first visit patients. Selected roentgenograms are obtained at once, and pulp testing procedures and other diagnostic techniques are performed.

(Continued on page 47)

Dean Hine reports that...

Mrs. Benefiel, Assistant Recorder of the Dental School, recently compiled statistics regarding the business or profession of fathers of students attending Indiana University School of Dentistry this year. It was interesting to note that of the total of 348 undergraduate dental students, 24 of their fathers are dentists, 10 physicians, 17 school teachers, three attorneys, six school administrators and two ministers. Among the "occupations" represented were: executives, 46; factory workers, 27; farmers, 17; salesmen, 13; insurance salesmen, 12; laborers, 12. A total of 37 occupations and 11 professions are represented in the Dental School.

All students and faculty members of the Dental School are now "required" to wear safety glasses. Before making these glasses available, a survey was made of the dental classes; a remarkably high number of students reported that flying particles had caused them eye trouble. The National Society for the Prevention of Blindness reports that, "Half of all blindness is preventable." This thought plus the encouragement of the Department of Ophthalmology were the reasons behind the action of the Administrative Committee which made the wearing of glasses mandatory in all clinics and laboratories in the dental areas. This is currently a routine practice in about half a dozen other schools. A good quality safety glasses has been made available through the student instrument department at a nominal fee, and any student who did not already have corrective lenses or safety glasses has been required to add these to his armamentarium.

All students and dentists realize the importance of preventing optic injuries, and should develop the habit of wearing glasses, safety or corrective, at all times, in their offices following graduation.

Miss Gertrude Katzenberger, cashier of the Dental School, was honored by a delightful, well attended testimonial dinner on Friday evening, January 14, because this year Miss Katz completes her first fifty years of service to the Dental School. What an outstanding contribution she has made! Every graduate of Indiana Dental College and Indiana University School of Dentistry since 1916 has turned in his clinic fees to Miss Katz.

To help honor Miss Katz, alumni throughout the country sent in letters which were bound in a book which was presented to her at her dinner. Also, about \$500 was donated, all of which was used to purchase various gifts for Miss Katz, and to decorate a "money tree" which was prepared by Mrs. Lehman of the library staff.

Those individuals on the program included David Avery, President of the Senior Class; Dr. Harry Healey, representing the faculty, Mrs. Cleona Harvey, representing the assisting staff, Dr. Robert L. Bogan, representing the administration, Dr. "Jerry" Timmons, representing the alumni, and the Dean served as Master of Ceremonies.

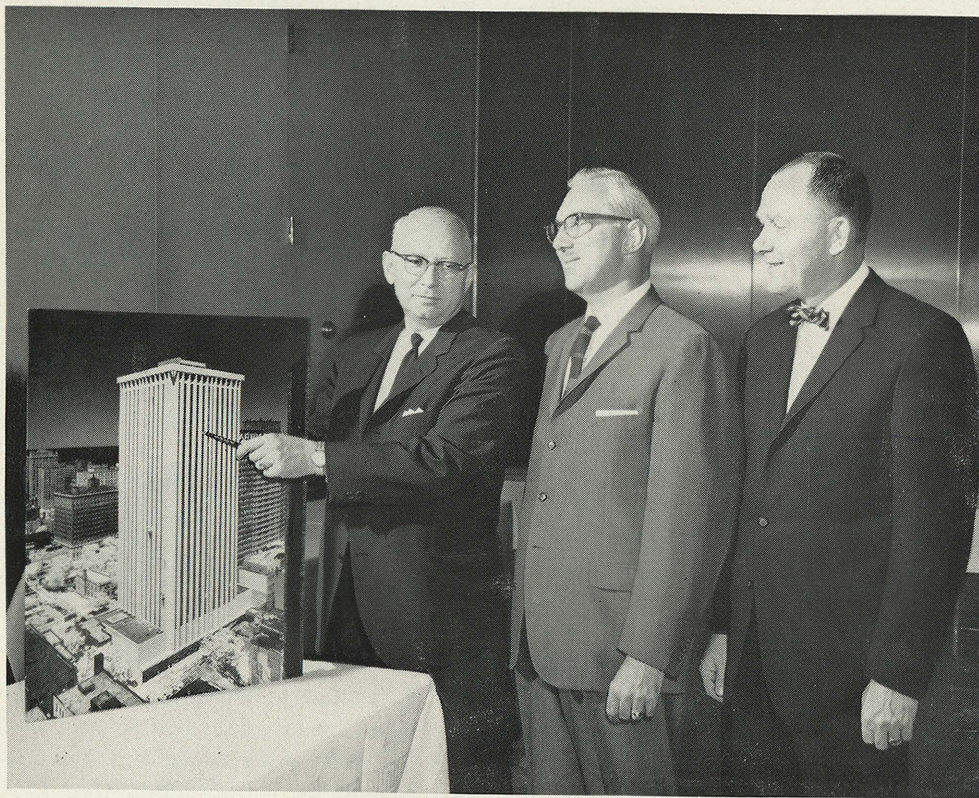
All faculty members, and particularly the Dean, recognize the absolute essentiality of an efficient dental assisting staff. No dental school could function without the dedicated services of our non-professional staff members. Miss "Katz" is symbolic of the ideal assisting staff member. Her dedication to duty has been exemplary—and her absolute honesty, coupled with her good spirit, delightful sense of humor, and her extraordinary record of attendance, make her a most valuable employee. The Dental School is indeed fortunate to have had her services for so long!

We were privileged to attend the reunion of the Class of 1935 which was held in Bloomington in conjunction with our annual Alumni Homecoming weekend, September 23-25, 1965. The reunion was arranged by Dr. Ralph E. Gieringer of Cincinnati. Of the 47 members in the original graduating class, 43 are still living; 27 of this number came to the convention. An additional member, Dr. William F. Peacock, sent his twin brother to represent him. All but three of those living wrote in news items about themselves if they could not attend. Also, many of the Class of 1935 brought their wives.

The guest of honor was Dr. John E. Buhler, currently Dean of the Medical College of South Carolina School of Dentistry.

We are pleased to acknowledge a donation of \$100 from a former faculty member who wishes to remain anonymous, to be spent to purchase materials used in teaching. We also thank him for pointing out a constantly recurring problem that apparently should be checked again.

It is pleasant to report that the academic and research programs at Indiana University School of Dentistry are expanding and developing at a gratifying rate. A new research area has been developed in the newly-excavated portion of the basement which is under the Dean's Office and Dr. Van Huysen's laboratory. Also, the size of the balcony has been doubled to provide additional office, conference room and clinical space for our clinical departments. We invite all of you to visit these new quarters soon.



Dean Hine, President of the American Dental Association points to photograph of the new headquarters building. Dr. Ralph McDonald, center, is President of the American Academy of Pedodontics and Dr. Paul Starkey, right, is President-elect of the American Society of Dentistry for Children.

Alumni President's Message

Malcolm Boone

To be chosen as president of the Indiana University School of Dental Alumni Association is a distinct honor. I wish to thank you all for the pleasure of serving you through the coming year. Please be assured that I will work very hard to pursue the responsibilities which are attached to the office of President. I can't help but think of the outstanding individuals and their contributions to our I.U.-S.D.A.A. who have held this office before me; their having had the gavel makes this office a great pleasure.

I would like all of you who read this note to know that our Alumni has many new faces, and that enthusiastic people can be found in our midst. Your new officers are as follows:

President Elect, Joseph Muhler; Vice President, Tom Boyd; Sec. Treas., Robert Bogan; Exc. Council Representative, Paul Starkey. The Board members for 1963-66 are Dave McClure, George Meyers, Jean W. Spear, and Ted E. Lilly. For 1964-67, Board members will be Wilbur Boren, Wm. Lawrence and Robert Linnemeier. The 1965-68 Board members will be Eddie Young, Dr. John Steele and Dr. Lynn Vance. The Ex-Officio members are Wm. H. Gilmore, Dean Hine, Ralph Phillips, Miles Barton, Frank Jones, Bob Stebbins, and Carol Tottem, Hygienists Representative.

During the Alumni Fall Conference our selection for the honorary Alumnus of the year went to an outstanding young man; upon him the Dental Alumni is most dependent and most indebted. His staff at I.U. works sometimes under overwhelming odds, but seems to always come through at the right time. This noble person is our Assistant Alumni Secretary, Frank Jones, who for once was literally

speechless. Those of us who know Frank can't believe we have seen the impossible. Congratulations again Frank.

Dr. Buhler received the Outstanding Dental Alumni Award. Dr. Buhler is Dean of South Carolina School of Dentistry; and is a most worthy recipient. He is a 1935 graduate of Indiana University School of Dentistry.

This year I would like to mention our ladies, lovely we know they are. In the past presidents' pages they seem to have been left out; and inadvertently I am sure. These creatures add grace and charm to our Fall Conference and seemingly enjoy the weekend activities. The social activities, the trip to Nashville in Brown County and just getting away from it all seems to be most enjoyable to them, so please bring them back again and again.

This year the Dental Alumni didn't bring home the Constituent Alumni Award. We very gracefully stepped out of first place so the lawyers could feel like they were tops. My thanks to Paul Starkey for representing the Dental Alumni at the Constituent Society meeting this summer. I am proud of Paul for a job well done. I observed his fine sense of fair play and the dental school is held in high esteem amongst the other alumni groups, you can be sure. This year is another year so the other alumni groups should be aware of us.

My congratulations to Dr. John Tchalian, our latest life member in our Alumni group. Glad to have you aboard Dr. Tchalian. I am sure Dr. Tchalian would be happy to show our Alumni, one and all, through his outstanding department.

Seems the Dental Alumni would like to see more faces of the dental hygienists



Dentists from the 1945 graduating class celebrating their 20th anniversary with a big smile—at a reunion during the 21st annual Fall Dental Conference at the University this fall. Pictured are, top row, Doctors Gordon Abbot, Indianapolis; Wm. Hohe, Huntington; James Ricketts, Kokomo; Arnold Russo, Indianapolis; Robert Ricketts, Pacific Palisades, California; Robert Huff, South Bend and Hugh Seller, Gary. In the second row from bottom, are William Jefferis, Wanamaker; Arthur Mullin, Indianapolis; Richard Herrick, Hobart; and Jack Stenger, South Bend. In the bottom row are Lea Cohn, Gary; Sidney Robertson, Indianapolis; and Miles Standish, Indianapolis.

alumni group. You all are most welcome and we would be most happy to have you all attend our conference at Bloomington. Won't you try?

The dentists of Indiana have been supporting the Alumni chair program very well, especially the Fort Wayne group. They have purchased about 23 chairs in conjunction with the Indiana Extension Center. You know for every chair sold the Dean's equipment fund receives about 150.00 dollars to be spent for necessary equipment here in the building. In the past \$13,000 has been raised, and equipment such as stools, laboratory equipment, etc., has been purchased. Your contributions can be sent to your school, or your

alumni representative can pick up your check—see ad insert in this bulletin.

Along this same trend of thought; how long has it been since you stopped by the dental school and medical center to see the many changes taking place? Do yourself a favor and visit the 'ole school. The new physical facilities are wonderful and the 'ole school is growing rapidly.

Let's be a stronger alumni group than ever before. Drop in school when you are down this way and see what your support is doing and can do for Ole I.U.

The classes of 1936 and 1946 are planning class reunions at Bloomington in the fall so make your plans now to be with us for a weekend to be remembered.

Support
DENTAL EDUCATION
in Indiana



Here is the Indiana University chair which you will receive in recognition of your gift or pledge of \$200 to the Special Teaching Fund of the School of Dentistry Alumni Association.

Library

Mrs. Mabel Walker, Librarian

The library contribution for this issue of the *ALUMNI BULLETIN*, in addition to the Abstracts of the Master's Theses which for the past few years have concluded the column, consists of pictures and explanations of exhibits which have been prepared by the library in recent months.

Mrs. Katherine Lehman, Reference Assistant, has prepared these exhibits. Her extreme artistic talent and creative ability have produced unusually attractive and meaningful exhibits which have brought many appreciative comments from the entire school personnel as well as others passing through the corridor which houses the display cases.

Exhibit No. 1 was placed in a glass-fronted display case fifteen feet long and fifteen inches deep. (Fig. 1) It is called *NEW BOOKS* (offwhite lettering). The back wall of the case is covered with pleated green taffeta with a "valance" made up of green garlands and leaves interspersed with white and yellow blossoms in varying shapes and lengths. The floor of the case is covered with yellow taffeta. In each end of it is placed a three-foot philodendron plant in a white container. Wood book dummies were covered with book jackets and placed in black metal book display racks as well as on the floor of the case. Larger and more distinctive book jackets were "framed" with construction paper in different colors and designs made by Mrs. Lehman and pinned to the taffeta background by a small gold cord.

Exhibit No. 2 is one of a selected group of *FOREIGN JOURNALS* (dark blue lettering), received in the library, placed in the same display case described above. (Fig. 2) The background here is turquoise

corrugated cardboard and superimposed upon it, in colors from light to dark blue and pastel shades of pink, green and beige, construction paper cut to represent the "Big Ben" tower in London, England, the Taj Mahal in Agra, India, the Eiffel Tower in Paris, France, the Leaning Tower of Pisa in Italy, and various minarets in other countries of Europe and Asia, all made by Mrs. Lehman. Where practical, the journals are placed near the structure which represents the country in which they are published. The swag valance in this display is of royal blue bunting. Lucite book holders hold the journals on the floor of the case, while others are pinned to the cardboard along the back of the case.

Exhibit No. 3, *PAST PAGES OF DENTISTRY* (gold lettering), came about by a request from Dean M. K. Hine to display the photographs, with text, put out by the Wyeth Laboratories, of Paul Revere, Horace Wells and John Hunter. (Fig. 3) Mr. Richard Scott, Division of Dental Art of the School of Dentistry has mounted these photographs on white cardboard with different colored borders as shown in the upper left corner of the exhibit, which is placed in an enclosed glass case ninety inches long, seventy-two inches high and sixteen inches deep. Mr. Scott also attached natural colored burlap to the back of the case as background and enlarged pages of print from the book "Paul Revere" by Forbes and "Man from Mt. Vernon" by Boyce as well as pictures of the parents of Paul Revere, George Washington, and pictures of the teeth of the latter. A pair of dentures similar to those worn by George Washington are also displayed. The book by Boyce is opened to show a



Figure 1

picture of the home of Paul Revere in Boston and a picture from the book of his copper mill, enlarged and displayed. A copper tea set furnished by Mrs. Lehman and a small teakettle furnished by Mr. Scott are displayed on the shelf draped in a brown and ivory chintz prine decorated by an arrangement of fern and leaves. In the lower right corner of the case is a wood bread tray owned by Mrs. Lehman and very similar to the one shown in the kitchen of Washington's home in Mt. Vernon. The portion of the display concerning George Washington was used to add interest and because he was a contemporary of Paul Revere. The blossoms in the upper right corner of the case are in lilac, the academic color for dentistry.

Exhibit No. 4 is placed in the case described above with much the same background, but featuring the picture of Horace Wells, discoverer of anesthesia. (Fig. 4) It contains enlarged printed pages from the book "Horace Wells" by the American Dental Association Horace Wells



Figure 2

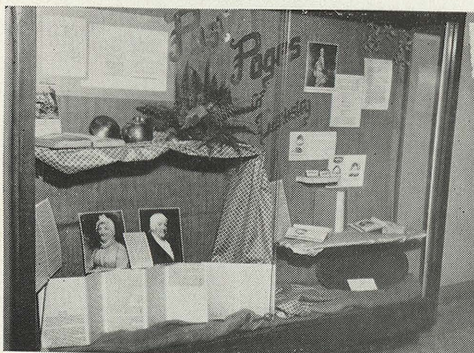


Figure 3

Centenary Committee, relative to Wells' discovery of anesthesia and features a picture draped in lilac satin of Wells at a later age and pictures of Wells demonstrating "laughing gas." Also displayed are the books "Man Against Pain" by Raper, "Triumph Over Pain" by Fülöp-Miller and "Victory Over Pain" by Robinson. The case is draped at each end with a cotton, dark red paisley print and the shelf covered with pieces of lilac satin and blue bunting interdraped. A large jar in the lower left corner holds green sprays of plants.

The exhibit on the Hunter photographs mentioned in paragraph five will be assembled in a later display.

For those uninterested in the detailed description of the displays, please forgive us for taking the space for them but for those librarians who *sometimes* lack time for this sort of thing, we hope they will be useful. If so, we shall feel favored and grateful to have given some assistance.

As I shall retire June 30, 1966, this is my last column for the *ALUMNI BULLETIN* of the Indiana University School of Dentistry. It was a great satisfaction when the library was asked to contribute to the first issue of the bulletin published in August of 1938 as volume one number one, and it has continued to contribute to every issue since then. It has been a plea-

sure to communicate with the alumni in this way and we hope we have helped to add some interest to the publication. It has been a great joy as well to have been associated with Indiana University and its School of Dentistry for thirty years and I shall miss these associations very much. I hope many of you who may attend the meeting of the Indiana State Dental Association this year can find time to visit the library.

The abstracts of ten Master's theses of IUSD follow:

A FLUORESCENT DYE METHOD FOR DEMONSTRATING LEAKAGE AROUND DENTAL RESTORATIONS

Arden Gale Christen
1965

This study was conducted to determine if the fluorescent dyes, rhodamine B, fluorescein and demethylchlortetracycline could demonstrate microleakage around dental restorations. A new simplified fluorescent technique for testing and scoring microleakage was presented. A total of 87 class V cavities were prepared in 32 bovine mandibular incisor teeth. The cavities were divided into four groups and restored with representative leaking and non-leaking fillings. The teeth were immersed in the test dyes for periods varying from five minutes to one hour. After drying, the teeth were sectioned with separating discs and viewed through a binocular microscope, under ultraviolet light. With one exception, the dyes satisfactorily showed marginal leakage of filling materials. The margins of the 24 hour amalgam filling with no cavity liner showed great penetration with fluorescein and rhodamine B. In a second group of amalgams, cavity varnishes greatly reduced marginal leakage. All gutta percha restorations showed gross leakage. The fluorescent dyes tested did not show microleakage of zinc oxide eugenol restorations due to a "quenching" of fluorescence. Sound enamel of bovine and human teeth was impermeable to the fluorescent dyes tested. Of the dyes tested, fluorescein and demethylchlortetracycline showed the greatest promise for future research. They are inexpensive, non-toxic in humans, and contrast sharply with the tooth's natural fluorescence.



Figure 4

THE EFFECTS OF PREPUBERTAL OVARIECTOMY ON CONNECTIVE TISSUE GENERATION

David Godfrey Gardner
1965

Polyvinyl sponges were implanted subcutaneously in young adult female rats and in prepubertally ovariectomized animals of the same age. Animals from both groups were sacrificed three days later. The sponge tissue hexosamine concentration was significantly greater in the intact rats than in the ovariectomized animals ($p = .01$). The sponge tissue hydroxyproline concentration of the remaining animals which were sacrificed 10 days after implantation was significantly higher in the ovariectomized animals than in the intact rats ($p < .02$). Prepubertal ovariectomy therefore increases the rate of connective tissue generation in young adult rats. Sponges were implanted in 57 day old rats, half of which had been prepubertally ovariectomized; all animals were sacrificed 56 days later. The hydroxyproline determinations on the sponge tissue were inconclusive. In both experiments ovariectomized rats had a greater mean body weight at sacrifice than did the intact animals and no apparent histologic differences were noted in the sponge tissue recovered from the two groups. Further investigations are indicated to study the effects on connective tissue generation of prepubertal ovariectomy in rats of ages different from those used in this work and of postpubertal ovariectomy in rats.

A PRECISE MICRO METHOD FOR STUDYING THE CONDITIONS EXISTING ON DEEP CAVITY FLOORS AND THE RUBEFACIENT EFFECT OF EUGENOL ON THE TOOTH PULP

El-Sayed H. Hassan
1965

A painstaking microtechnic, confirmed by the use of serial histologic sections was developed to determine conditions existing on the floors and pulp margins of deep cavities, and the effect on the tooth pulp of the rubefacient property of eugenol when used with zinc oxide as a filling material in deep cavities with and without pulp exposures.

Deep cavities with near and actual pulp exposures were prepared on the four canine teeth of 18 young healthy dogs. It was shown that highly flexible yet intact cavity floors were microscopically observed to be wet with some isolated droplets of a clear fluid. This

exudate showed a gradual increase in amount, with time, further increase in cavity depth, and rise in the systemic blood pressure. It was suggested this exudate was coming from the pulp tissue through cut dentinal tubules. Serial histologic sections showed further evidence that this exudate penetrated intact dentinal tubules 6.6 to 20 microns in length.

Intravenous administration of Evan's blue dye, and tetracycline hydrochloride proved that this exudate came from the extravascular compartment, i.e., connective tissue ground substance of the pulp tissue.

This study showed: 1) the odontoblastic layer was relatively avascular; 2) the only effect of painstaking microtechnic for deep cavity preparation on the tooth pulp was degeneration of the odontoblastic layer; 3) calcium hydroxide was an efficient pulp capping material even where it came in contact with pulp tissue; and 4) zinc oxide and eugenol was followed in two out of 31 instances by pulpal injury. Conservative cavity preparation and the use of calcium hydroxide for lining deep cavities are highly recommended.

A STUDY OF THE DIETARY HABITS OF CEREBRAL PALSID CHILDREN

Richard Ryoji Hori
1965

Dietary habits of 30 cerebral palsied children were investigated in this study using seven-day intake records obtained from their parents. Each child was classified in terms of physiological and topographical involvement, functional capacity, and mental retardation. All food records were evaluated in terms of the four food groups, and the nutritional adequacy and consistency of the diet were analyzed. The average number of meals per day and the frequency and types of between-meal snacks were evaluated.

The cerebral palsied children, as a group, showed pronounced deficiency in all four food groups being most deficient in the vegetable-fruit group and least deficient in the bread-cereals group. In terms of nutrients, the children showed deficiencies of iron, calories, niacin, ascorbic acid, and calcium, in the order listed. The children generally consumed soft food, ate their meals at surprising regularity, and snacked approximately three items per day. Their snacks consisted of items of high nutritional value.

Dietary habits did not vary significantly when they were evaluated according to types of affliction. Some effects on the consumption

of milk and fruits and vegetables were observed, but because each type of cerebral palsy was not well represented, results did not warrant definite conclusions.

THE PHYSIOLOGICAL ROLE OF DENTAL OCCLUSION IN THE MASTICATORY SYSTEM—A REVIEW OF THE LITERATURE

Ronald G. Jones
1965

The great abundance and the diversity of knowledge in the literature pertaining to the masticatory system, its function and dysfunctions, the occlusal concepts and instruments used in its reconstruction, have led the dental profession to a state of confusion.

This abundant material was reviewed from a functional standpoint, in an attempt to correlate on a physiological basis, all the different facets of the subject. That knowledge based on physiological study which could be used for the restoration of occlusions was reviewed.

Such treatment, based on individual physiological and functional concepts will place the dentist in the role of a medical specialist, as physicians of the mouth, rather than technicians with shiny restorations as the criteria for the excellence of their work.

The physiological studies reviewed indicate that there is an all encompassing physiological occlusion which will serve as the basis for occlusal reconstruction and will be applicable to every branch of dentistry.

HISTOLOGY OF THE PERIODONTIUM FOLLOWING FORCES APPLIED TO THE TOOTH

Walker Warder Kemper, Jr.
1965

Sixteen young dogs were used to study the histologic changes in the periodontium in response to forces applied to the dog's tooth. This was accomplished with artificial crowns which opened the bite and orthodontic appliances. The crowns or appliances were effective for from seven to 14 days when the animals were sacrificed. The blocks of tissue containing the affected teeth were decalcified, serial, histologic sections were prepared and stained with hematoxylin and eosin. A total of 7,574 sections from 44 teeth were examined. However, only the tissue obtained from seven teeth and periodontium of five experimental animals was

selected as being representative of the study. The experimental material showed a distribution of the pressure and tension areas suggestive of a tipping movement in all the teeth even those which were contrived to have been depressed by an altered crown or depressive orthodontic force. The histologic picture in the periodontium of young dogs *again showed those often previously demonstrated* changes such as widening of the periodontal space, stretching of the periodontal fibers, increase in cellular elements and bone apposition on the tension side and decrease in the cellular elements, compression and hyalinization of the periodontal ligament and bone resorption on the pressure side. The resorption on the pressure side varied from direct resorption when weak forces were applied to undermining resorption when the periodontal ligament was deprived of its vitality (hyalinized) by strong forces. The resorption was accomplished by activity of adjacent mesenchymal tissue, capillary proliferation and osteoclastic activity. The ischemia of the periodontal ligament is consistent with the vascular pattern described by Bernick, Sastelli and Dempster. The blood vascular supply appeared to run longitudinally within the periodontal ligament and joined by lateral vessels within the ligament giving the vascular pattern a plano-polyhedral plexus like formation. No signs of inflammation accompanied any of the tissue changes seen.

CLINICAL DENTO-FACIAL BIOMETRY IN NORMA FRONTALIS

Don Eugene Lahrman
1965

The purposes of this investigation were to test maxillary dental midline correspondence with the median palatal raphe and to test five methods of measuring dento-facial asymmetry from the frontal view on fifty patients.

An adjustable and mobile aluminum apparatus was so constructed that the external auditory meati, pupils, commissures, and supra-orbital notches were able to be evaluated as to their clinical accuracy as anatomical landmarks.

The maxillary dental midline exhibited a close correspondence to the median palatal raphe. In addition, the meati and supra-orbital notches were found to be less stable than the pupils and corners of the eyes, the latter two landmarks showing more accuracy in their relation to an assumed zero point, the median palatal raphe.

A COMPARATIVE STUDY OF CERTAIN BASE METAL ALLOYS USED FOR CAST RESTORATIONS

William Lockwood, Jr.
1965

A comparative study of three Japanese base metal alloys and a gold alloy was made. The properties of Progold, Arau Cast and Miro Silver were compared to the gold alloy Duro Cast. Two investments, Cristobalite and Beauty Cast, were utilized throughout the study. The thermal expansion technic and the hygroscopic technic were used.

The alloys were assessed on the basis of casting properties, surface roughness, surface hardness, tarnish and corrosion, and fit of the castings produced. The gold alloy was used as a standard of comparison in all the tests.

The study showed the base metal alloys not to be superior to the gold alloy in any respect. Progold and Arau Cast require more expansion as their casting shrinkage seemed to be greater than that of the gold alloy. Half of the castings made with Arau Cast showed gas porosity. The surface hardness of Progold and Arau Cast was similar to the gold alloy. The melting range seemed to have more effect upon the surface roughness than did the investments. Gold and Arau Cast seemed to be tarnish resistant when immersed for a period of three months in 1.0 N NaCl and 0.1 N Na₂S. Progold and Miro Silver showed rapid discoloration in these solutions. Miro Silver proved to be inferior in all tests to the other alloys.

PHARMACOLOGIC TREATMENT OF PULPITIS; A CONTINUING INVESTIGATION

Thomas P. Mullaney
1965

This project was initiated in an attempt to determine the long range value of a corticoid-antibiotic mixture in the topical treatment of pulpitis.

Those experimental and control patients used in a preliminary study were recalled for an unbiased thorough examination extending the clinical findings from an average of 92 days to an average of more than one year and eight months. A microscopic evaluation of the results of similar treatment of the mechanically exposed pulps of a monkey was also made at 90 and 180 day intervals.

In the clinical study, 19 control teeth and 21 teeth treated with the corticoid-antibiotic mixture, were re-examined out of an original total of 50 teeth. Ten teeth were not available because of inability to locate the patients for recall. The corticoid-antibiotic showed 71.4 per cent success whereas the starch control preparation showed a 26.3 per cent rate.

In the microscopic study 28 monkey pulps were exposed and evaluated. Fourteen were treated with the corticoid-antibiotic mixture and 14 with the starch control. The corticoid-antibiotic treated teeth showed a significantly larger deposition of dentinoid "bridging" material under the exposure site compared with the starch controls.

It appears that painful pulpitis is a reversible process and that the corticoid-antibiotic mixture is of therapeutic value as supported by clinical evidence. The microscopic study seemed to indicate some advantage in using a corticoid-antibiotic as a pulp capping agent in the case of a mechanical exposure, although there was an indication that the method of applying the medications was perhaps a complicating factor in this portion of the study.

HISTOPATHOLOGIC EVALUATION OF RAT CONNECTIVE TISSUE RESPONSE TO IMPLANTED CAVITY VARNISHES

Joseph Rocco
1965

This study was conducted to examine microscopically the histopathologic reactions of rat connective tissue to amalgam, zinc phosphate cement and copper cement, alone and also coated with various cavity varnishes. It was intended that the irritational properties of gum-resin varnishes and their ability to prevent irritation due to certain dental cements and amalgam might be evaluated. A controlled amount of the freshly mixed test material, varnished and unvarnished, was implanted into the subcutaneous connective tissue of adult Wistar rats in two areas. Following periods of two, 16 and 32 days, microscopic sections of the tissues surrounding the implants were prepared and studied.

All amalgam specimens, varnished and control, elicited a mild tissue response. From this it appeared that gum-resin varnishes are more or less inert and not grossly irritating. The irritation from zinc phosphate cement was not sufficient to provide a conclusive test of
(Continued on page 48)

Dental Hygiene

A. Rebekah Fisk, Director

This year we enjoyed the Christmas cards in retrospect. As each one came in it became a part of a Christmas tree design on the wall above the bookcase. It was not until, we took them down, during vacation, that we had time to read the notes and look at the pictures. Since we now have so many college freshmen to council, in addition to the students in our first and second year classes, and others completing degrees there are times when the tail wags the dog.

Not very much has been heard from the Class of 1952. During the past summer the Huxoll's survived the trials and tribulations of building a new home at 8617 St. Joe Road, Fort Wayne, Indiana, which we hope to see when we attend the capping ceremony at the Fort Wayne school. This school is progressing nicely under Gloria's leadership.

The Class of 1953 was represented this year by Betty (Gilchrist) Keck, Juanita Huitema and Marilou (Shidler) Halle. The Halle's have spent the last two Christmas holidays in St. Petersburg, Florida. When they are at their home 310 East Pike Street, Crawfordsville, they are a very busy family as both parents and the children are interested in sports. Juanita sent pictures of her children—two boys and a girl. Now that the children are in school she is working and says that it feels good to be back in uniform again. The activities of her three boys keep Betty busy. Ruth (Cleveland) Wirtz came in to borrow educational materials for her annual project. In addition to everything else, she is interested in sewing and was making a wedding dress for a friend.

From the Class of 1954 we received a picture of the four Rosebrock (Carol

Ottinger) children under the Christmas tree. They are now living at 202 Bennington Road and Carol is working 3½ days a week. Her husband is still with Eli Lilly. Pat (Hoge) Boone has been working for the same dentist in Macon, Georgia, for more than eight years. Her children are 6 and 9 years old. Marty (Bleeke) Christmas is still working and is active in the work of the dental hygiene organizations. This year she is Vice-President of the Indiana State Dental Hygienists' Association and in charge of arrangements for the May meeting. Then there are the Baileys way down in Texas—we always look forward to receiving Jerry's Christmas letter. She says that their New Years resolution will be to "get organized." Jerry, Bob, Susan and Kathy have so many activities that it is easy to understand that at times there might be conflicts. Joan Kline has moved to 2007 Northside Blvd., Apt. 404, South Bend. Joan (Robinson) Loughbridge, 106 So. Coquillard, South Bend is working part time.

Nine members of the Class of 1955 were together for a reunion during the state meeting in May, all brought pictures of their homes and children. Beverly (Buroker) Hopkins has two daughters and still working. As Mary Ann (Hunck) Batcho has five daughters it is doubtful that she has much time to help her husband with his "prophy" recalls. Lois (Johnson) Querry has four children who keep her busy. Elaine (Lampson) Lovan has three boys and a girl but still manages to help her husband three days a week. The whole family enjoys their swimming pool. Marjorie (McLarnon) Williams, has three children and is practicing with her father three

days a week. As the Williams live on a farm, Marjorie gardens in addition to everything else. Mary Lou (Reed) Snead is still working part time in Kokomo. Her daughter is a little brunette—about four years old now. Mary Lou (Sheets) Zerkle is practicing with her father in Kendallville and has a family of two boys and a girl. Carla (Porter) Totten and family reside in Greenwood. Her daughter, who thinks she wants to be a dental hygienist, is fast becoming a very attractive teen-ager. Carla is on the faculty at school.

It was Carla and Carolyn (Tucker) Reighley who were responsible for getting their class together for their tenth reunion. We wish that more classes would do likewise. Carolyn practices part time in Denver and does substitute work for her friends. She always has a lot of projects going but this past year she has been exceptionally busy with her work as President of the Colorado Dental Hygienists' Association. Three members of the class who could not be there but sent letters and pictures are Doris Klitzke who lives in Houston, Texas, and has two boys and a girl, Mary Ann (Penn) Rolando who had a boy and a girl and then twin boys who are lively ones. Mary Cora (Walker) Jackson has two boys and lives in Diamond Bar, California. Susan (Grant) Fielder was seen in Las Vegas—wish somebody had thought to get her new address.

We really had to scrounge for news of the Class of 1955. Now that the Abbetts have their third son, Robert Andrew, born January 7th, Dede says she is retiring from practice for awhile. Between the office and her boys, Ed (Dad), Scott #1 son, Mel David #2 son and Playboy (big dog) Virginia Gibson is busy. Betty Jo Knafel is very busy with her responsibilities as President of Indiana State Dental Hygienists' Association. As her husband is being transferred to La-

Porte, Betty is in the process of moving. She has been wanting to retire, maybe this is the answer, but it is doubtful that she will be out of uniform very long. Barbara (Jones) Meyer is practicing part time with her husband in Flora.

There is even less news of the Class of 1956. Priscilla Robards, and Judith Arnot '60 had a wonderful trip to Hawaii in the Fall. We processed papers for Gwen (Greenlee) Russ to take the Pennsylvania Board. She thinks she might go back to work sometime. Lou Ann (Ewigleben) Wolfe is now living at 108 Second Avenue, Jonesboro, Indiana. We located Janice Wittgen at 5500 Walsh Road, Evansville and find that she is still practicing in two offices.

A few of the Class of 1957 attended the May meeting and we learned that Belva (Whaley) Burch is living at 173 No. 9th Street, Zionsville, Indiana. Jeanne (Wright) Collins has two daughters, Jeana K. and Dee Ann. She says she might practice again when Dr. Collins acquires some right handed equipment. Nancy Dudding is working on requirements for admission to dental school. Jaclyn (Hite) Gray comes out of retirement once in awhile to substitute. From the newspaper we learn that Mary Ann (Hogan) Healy is very active in the medical auxiliary. Sylvia (Baldwin) Mills we see at local meetings, Corine (Nowinski) Patton writes, "We had another one, Mary Margaret, May 17th." Her other children are Theresa Marie, 19 months, Georgie, four, Connie, five, is in kindergarten, Katy is in the first grade. Her husband had a good year in law practice. Marilyn (Hall) Smith has added the name of Kevan to their Christmas card. It is now Peg (Fixel) Hinsley living happily.

From out of the blue came some news from some of the Class of 1958. Janis (Baird) Bargmeyer is now living at 2023-38th Street, Missoula, Montana. Just

by chance we had a request from a dentist in Missoula for a dental hygienist, so we got the two together and Janis is going to take the Montana Board. Ann (Smith) Beechy is retiring from practice. Martha (Coplen) Crawford is now living in St. Louis where her husband is employed by Monsanto Chemical Company. They have two sons Jay, 6 years old and Chris 15 months. Her address is 137 Barbie Lane, Crene Couer, Missouri 63141. Donna (Doss) Hales writes that if her husband's dissertation is accepted he will receive his Ph.D. this summer and they will leave shortly thereafter for Taiwan. Sue (Kaiser) Kraybill is still living in Buffalo where her husband is employed by Bell Aerosystems. Sue was able to accompany him on a trip to California and found the climate to her liking. Patricia (Nienaber) Obergfel has been persuaded to go back to work for a day or two a week. Elizabeth (Hoehn) Plantz hasn't been seen much at meetings lately. David and Mike are real boys—she is also working part-time. Judy (Haag) Carichoff has been working in the same office since 1959. She has two children—Steven 5 years old and Kimberly is 3 years old. Her new address is 1909 Berkley Drive, Valparaiso, Indiana. We learn about the Speddings occasionally from Dr. Spedding when he visits the school. To keep her dish pan hands from getting too rusty Grace (McCarty) Langley has emerged from retirement for a few hours each week. Her husband is still with RCA and Angie is talking a blue streak. Their family picture, in color, is very good of all three.

Members of the Class of 1959 also have been moving around. Mrytle (Starr) Austin came through with a new address—149 Woodland Drive, Sumersset, Kentucky. They thought they were off the beaten path but ran into Marilyn and Jim Smith in the motel the first night they were there. As she had four offers for part time practice, the first week

she was there, she thinks she will take the Board in June. She still just has one little red-headed daughter. Nancy (Porter) Blackburn and family are now in their own home at 612 Smith Valley Road, Greenwood. One day Judith (Shank) Butler was in Main Clinic to see her brother who is a senior dental student. Deanne Conrad brought the daughter of Dr. Pierce (her boss) in one day to see the school as she is interested in entering in a year or two. With the help of a housekeeper Deanne manages to work full time.

Karen Dreier Hubbard wrote that they are moving to Owensboro, Kentucky and she hopes to practice part time in Kentucky. It will be a big surprise if Myrtle and Karen take the Board at the same time. Jean (Bushong) Leyda is another hygienist who has tried but can't retire. She substitutes periodically in Kokomo. Karen Lucus entertained the local group at her home on Lake Maxin in June. It was too cold for swimming but we enjoyed riding around on the pontoon boat. As her husband will graduate from Indiana University in June, Kay (Camp) Myers is looking for someone to take her place in a Bloomington office. Edna May Railey is now with the Division of Dental Health, State Department of Health, Raleigh, North Carolina. She finds her new job exciting and is really enjoying it. She received her Masters' degree last year from the University of North Carolina. Her new home address is 4135 Camelot Drive, Apt. C-1, Raleigh, N.C. Dr. and Mrs. Robin Roberts (Carol Arnold) are back in Indianapolis and live at 2303 E. 69th Street. Due to the transfer of her husband Sandra (Cleeter) Rose has moved from Lafayette to 642 East North Street, Kendalville. Dr. George Von Mohr visited school and reported that all was well with Linda (Swihart) and son.

Judith Arnott is living at 6041 Cape Charles Drive, Indianapolis. Jane (Hazel-

dine) Blue and family now live at 238 Swigert, Lexington, Kentucky, and has two fine looking boys. Kathryn (Owens) Hayes brought a friend up to take the aptitude test. She is working a few days a week. Jane (Polson) Maddock writes that her husband finished his residency in July and the Air Force had a place waiting for him. Their address is 1220 Sunset Drive, Bellevue, Nebraska—wonder if they are on the same base as the Stropko's? Marilyn (Lorenz) Peterson has a new address—1018 North Dryden Place, Arlington Heights 60004 Illinois. Her husband is in his 6th year of teaching and hopes to receive a graduate degree from Loyola in June. She has discontinued practice to take care of their children Jane 3½ and Elizabeth 3½ months. The Pfafflin's (Sally Alcock) and Ed had a short but hectic few months in Indianapolis. Sally was working in Crawfordsville and Ed was teaching in oral surgery but had a heart attack which curtailed his activities. As Ed has accepted an opportunity to associate with an oral surgeon in Evansville, the Pfafflins packed up and moved again and now live at Evansville and his office address is 517 Hulman Building.

The Class of 1961 should plan to get together for their first reunion in May. Sheri Abrams writes enthusiastically about her new job in California. She is living at 325 North Oakhurst Drive #7, Beverly Hills, California. Dr. and Mrs. Robinson (Pat Koss) will be back in May and we hope that they will bring Rodney and the twins Reid and Randy in to see us. Phyllis (Ordway) Freeman had the local dental hygiene group in her new home for the annual Christmas party. Just before the arrival of their second son, Andrew, the Hursts (Carol Mager) moved into their new home at 502 Union Court, Chestertown. Jim has an opportunity to join three physicians in a Medical-Dental Clinic to be built in Chestertown. Donna (Ross) Abrams has a

daughter Catherine Kelley, born on Monday, July 10th. Donna is working part time and active in organization activities.

Two graduates of the Class of 1962 are in graduate school—this is a record. Lorna Bonnet received her degree, Bachelor of Science in Dental Hygiene in June, and is now enrolled in a graduate program at the University of Iowa. Audry Gotsch wrote that this has turned out to be a busy year. Her husband was assigned to a church in Dearborn and she is commuting to the University of Michigan, in Ann Arbor, taking graduate courses in health education. Their home is at 3261 Bennet, Dearborn. June (Murphey) Earnest and family have moved to 1202 L Street, LaPorte, Indiana. June is working part time. Judith (Spivey) Kight will be leaving in June for California where her husband will complete his internship. Karen (Masbaum) Yoder has a second son born New Year's day. Dr. and Mrs. Gross (Charlotte Levan) and daughter Stephanie who is 3 were in town recently. They are living at Riverpark Apts. 16-B, Virginia Road, North White Plains, N.Y. Dr. Gross is practicing in Armonk. Alice (Schmitt) Houft and her new daughter were home in December but we did not see them.

We hear that Clarendon Simon is back home and is associated in practice with her brother-in-law in Greenwood. Barbara (Cohen) Solomon and family are living at 5416 Tara Court S., Indianapolis. Dr. Solomon opened an office in a new shopping center on the west side. Geraldine (Kielbasa) Wadas is working with her husband Dr. John Wadas two days a week. Her children are John II, 2 and Debbie, 1. Wanda (Stevens) Lew thinks she might like to get back into uniform. Kay (Robertson) Weston wrote that she is still working but has enough free time to be a housewife. Hila (Draper) Walker writes very interesting letters about the experiences she and her husband are having in Japan. Lt. Walker

is stationed at the Yokosuka Navy Base but they live in the fishing, farming village of Nagai. Hila's parents Dr. and Mrs. Donal Draper visited them in the Fall. As Hila has been travelling to Tokyo to study the art of Oriental cooking from two American nuns, she served mostly native meals to her parents. Hila also studies ikebana, the art of flower arranging, and had a meeting in her home during her mother's visit. Mrs. Draper was also entertained by a Japanese friend of Hila's, Mrs. Suto, who is the eldest of the family which owns the most famous of the great Buddhas, the Dailutsa Buddah of Kamakura. Mrs. Suto's husband is the priest of a 42 foot high temple which was cast from sheets of bronze in 1252. Hila accompanied her parents on a trip to Hong Kong and Bangkok. She thinks Hong Kong is beautiful and will always want to return, but Bangkok is a very different country—too different to accept. Last summer I saw several hundred beautiful slides which the Walkers took the first few months they were in Japan. It was a very exciting and interesting evening.

As Lou Cinda (Finch) Utley didn't get out the Newsletter this year we have lost track of many of the members of the Class of 1963. The Baker's, Diane and Don now have a son and a daughter and live at 29 East Tilden, Brownsburg, Indiana. Nancy Bitter returned from Colorado and was married to Wilbur C. Boren on April 24th. She is with the State Board of Health and supervising the Crawfordsville program and field work for the senior dental hygiene students. Nancy's husband is a junior dental student. Kay Conaway divides her time between the State Board of Health and a private dental office. She will supervise a program in Wabash, which will be similar to the Crawfordsville program, for the Fort Wayne students. We see Marty Friche at meetings. Gloria Gorenc

was married to Donald Miley and is living at 6127 Beachview Drive, Apt. 146. Connie and Garry Hamilton are still around school. Connie is a dental hygiene instructor; Garry is a graduate student in the Orthodontic Department. Carol Heine returned from Hawaii and is living at 2659 Cold Springs Road, Indianapolis with Shermie Shafer. Carmine McDonald is still trying to learn to play the flute. We were pleasantly surprised to receive a card from Dr. and Mrs. William Current (Nancy Nieman). They are living at 3403 Peachtree Lane, Muncie, Indiana. Dr. and Mrs. John Osborn (Karen Kneisley) have moved to 305 D Evans #3, Williamsville, New York. Dr. Osborn is in the Crown and Bridge Department, School of Dentistry, University of Buffalo. Karen is going to take the N.Y. Board. Shermie Shafer received her degree Bachelor of Science in PHDH. in September. Dr. and Mrs. John Stropko have a son born January 6th—they expect to return to Indiana this year. Paula Weaver received her degree Bachelor of Science in Dental Hygiene in June. She is practicing in Indianapolis and Greenwood.

Most of the news from the Class of 1964 is about local graduates—Joann (Campbell) Leetmae, Kathleen (Heath) Bryn, Sandra Henderson, Marylou Monfort completed degree requirements and were graduated in June. Virginia Cox, Gay Gossard, Karen (Michener) Schilling and Vivian Walton expect to complete requirements and receive their degrees this year. Kathleen Heath became Mrs. Bruce Bryn in May. The Bryn's are now living at 258 Roe Blvd., W., Patchogue, N.Y. where Dr. Bryn has set up a chiropractic practice. Kathy is a dental hygiene teacher in the Islip Public Schools, Islip, N.Y. Karen Michener became Mrs. Phillip Schilling on July 3rd, 1965. The Schillings live at 2513 Northview, Indian-
(Continued on page 48)

Alumni Notes

Mrs. Cleona Harvey, Recorder

Once again—Greetings from the Recorder's Office. 1966 has already gotten off to a flying start—we are in the midst of final exams for the first semester, and students are diligently studying—here, there and everywhere. Peek around any corner and you are likely to discover a student either slumped down at a table persuing textbooks or sitting on a bench in the hall scanning notes. Most of you no doubt well remember those days!

It is always such a pleasure to send greetings to all of you; I do hope it gives you as much joy to hear from your alma mater!

As usual, we are busier than busy—school problems grow constantly more complex—scheduling of classes, student conferences, etc., all make my life one grand whirl—which I really enjoy! But our growth does make it more difficult to keep track of you, our graduates. So please remember to drop us a line once in awhile, letting us know of your activities, changes of address, etc. Please remember also that we are always happy to do anything we can to assist you. So, when you send us that “news” note tell us your problems!

Of general interest to all of you will be a brief note concerning the dinner we had on January 14, 1966 for Miss Katz, who has been with the Dental School for fifty years.

We tried to contact alumni in Indiana and invite them to the dinner, to write Miss Katz a note and to contribute a little something on a gift for her. We heard from many of you, and she received a total of \$434 besides gifts from assisting staff, senior students and faculty. A good time was had by all.

Miss Katz asked me to thank all of you who contributed toward the gifts for her and be assured of her gratefulness for your generosity! At the end of my column you will find the talk which I gave on this occasion as a tribute from the assisting staff for Miss Katz's untiring dedication through these years.

Class of 1904

Dr. Hine received such a nice letter from Dr. P. J. Pentecost, Route 5, Tipton, Indiana, that I asked Dr. Hine's permission to quote it in full:

“Your father and I were in the same class of 1904 and Delta Sigs together. For that reason I feel a special interest in your success and since you were honored at the Testimonial Dinner last April, I have had the desire to add my mite of congratulations. Mine would be for your good judgment in selecting such a wonderful guy for a dad. Having a perfect gentleman for a father is a big help to a boy. In the years I knew him there never was a moment that could be changed for the better. Those were college years but all my memories are of a well dressed, keen, substantial, humble student respected by every one.

“The last time I saw him was at the class meeting in 1954 when you were there through part of the time with him. My regret is that he was not able to carry on in good health as I have done. My office is at my home on eighty acres where I work and play, where it seems easier to make patients happy than ever before. I do everything I ever did except foil fillings which we used to love so well.”

Class of 1913

Dr. Raul N. Montero, 3a A No. 8810 Miramir, Havana, Cuba, sent Christmas greetings and a note of appreciation for "*sending regularly the always-appreciated Alumni Bulletin.*"

Class of 1917

Dr. and Mrs. Carl Frech, Gary National Bank Building, Gary Indiana, sent Christmas greetings.

Class of 1926

Received Christmas greetings from Dr. and Mrs. H. K. Maesaka, 115 Makani Avenue, Wahiawa, Hawaii 96786.

Class of 1928

Drs. Evelyn and Leon Berger, 723 Main Street, Beech Grove, Indiana, sent Christmas greetings.

Class of 1929

Dr. and Mrs. James M. Sakurai, 1186 Fort Street, Honolulu, Hawaii, 96813, sent Season's Greetings.

Class of 1932

Dr. and Mrs. Seiya Nakamori, 908 North King Street, Honolulu, Hawaii 96817, sent Christmas greetings with a note, "*Often talk about you folks at the Dental School. Hope all are well. We are fine.*"

Class of 1935

Dr. M. J. Bean, 5 Pangborn Place, Hackensack, New Jersey, sent Christmas greetings with a note,

"As always I enjoy sending greetings to you and through you extend my best wishes at this holiday time to my classmates.

"While attending my 30th reunion it was with a great deal of pleasure and

nostalgia that I visited the Dental School and saw my son, Richard, a student at my Alma Mater!

"Things have changed a lot from the time I graduated but the warmth and friendliness and hospitality remain the same. Indiana holds a very warm place in my heart and what more can I say than to see my hopes fulfilled by Richard following in my footsteps."

Dr. Willard C. Stamper, Stamper's Landing, Patriot, Indiana, sent us some clippings regarding his son, Stephen's, activities. You will find out all about Stephen under the Class of 1962! Dr. Stamper says "*I have never had so much fun. I really feel that I am offering the community of Rising Sun their first preventive dentistry program. They are wonderful and grateful people.*"

Class of 1938

We received a change of address notice from Colonel Kenneth W. Siegesmund, Dental Detachment, Fort Riley, Kansas 66442.

Class of 1940

Dr. Frank K. Etter wrote in that he had not been receiving his Alumni Bulletin, and gave us the following change of address:

Dr. Frank K. Etter

9441 Wilshire Blvd., Room 416

Beverly Hills, California.

He requested that we inform all you '40-ers of his new address.

Class of 1944

Dr. Carl Stoner, 325 State Street, New London, Connecticut, wrote us the following, which we quote in its entirety:

"Difficult as it is, unpleasant news also must be reported.

"On October 20 Dr. Sidney Norwitz (1944) was killed instantly in an automobile accident. All who knew Sidney

were stunned by the tragic event because it was his nature that all who met him, knew him, and those who knew him respected and loved him.

"Sidney Norwitz had but one standard and that was excellence. He had no patience with mediocrity either for himself or those around him. He was the one who set the pace in every endeavor in which he engaged, and had just completed his term of office as president of the Hartford Dental Society. He leaves behind a legacy of achievement that might be envied by someone twice his years. Unfortunately these many things only serve to remind us that he is no longer with us.

"Our profession has lost one of its most dedicated practitioners. I have lost my close friend."

Class of 1946

Received a Christmas card from Dr. and Mrs. Charles L. Howell, 1514 Monticello Drive, Gladwyne, Pennsylvania, with a note,

"Our best to all of our many friends. Everything is going well, just so very busy."

Class of 1947

Dr. Richard W. Moss, VA Center, Wood, Wisconsin 53193 (West National Ave. at 54th Street, Milwaukee, Wisconsin), wrote *"I am still with the Veterans Administration and am the Chief of the Oral Surgery Residency training program here at Wood VA Center in Milwaukee. We are planning to expand our program at the VA Hospital and Marquette Dental School to include facilities at Milwaukee County Hospital. It is an energetic and challenging undertaking and I hope a fruitful one."*

Dr. Marvin A. Tuckman, 64 Hamilton Street, Paterson, New Jersey, sent Season's Greetings.

Dr. Arthur J. Haacke, 719 Shroyer Road, Dayton, Ohio, wrote in that he has not been receiving the Alumni Bulletin. We hope that he receives this and all future issues—and that he will send us some news which we may include in the next issue!

Dr. Joseph F. Karpinski gave us a change of address to 11 South Marvine Avenue, Auburn, New York.

Class of 1950

We received a change of address for Dr. Henry C. Heimansohn to 4 West Main Street, Danville, Indiana.

Class of 1952

Dr. and Mrs. Rafael Aponte proudly announce the arrival of Javier Rafael, who was born on September 26, 1965, weight 7 lb. 5 oz.

Dr. Edward C. Thibodeau sent us a change of address to 4800 N. E. 20th Terrace, Fort Lauderdale, Florida.

Dr. H. G. Thomas, 710 East Willard Street, Muncie, Indiana 47302, reported, *"I was elected vice president and program chairman for our local dental society for the incoming year and would appreciate a list of available dental speakers from the University . . . hope you and all the dental faculty are enjoying the best of health."*

"Saw my classmate, Raphael Aponte, in San Juan Puerto Rico, the last week of May this year. My wife and I were quite pleased with his hospitality . . . he is doing real well and he and his wife are expecting a baby. . . . He also informed me that Harold Glaser passed his port, headed for the battle zone on a Navy ship just a few days before I arrived."

Class of 1954

Dr. and Mrs. Robert Johns, 25 Monitor Place, Tucson, Arizona 85710, sent Christmas greetings with a note saying Dr.

Johns had completed his graduate work in prosthetics at Ohio State and received his Master's degree, and is now the Prosthetic Officer at Davis-Monthan AFB in Tucson. They like it there very much.

Class of 1955

Drs. Ursula and Werner Bleifuss, Lathrop Village, Michigan, sent Christmas greetings.

Dr. Stuart Everard, 2426 Inglewood Court, Falls Church, Va. 22043, sent greetings of the Season with a note that this has been a "good year—no accidents—and we are all in good health."

Class of 1957

Dr. and Mrs. Pedro Colon, 2E18 Calla Principal, Villa del Rey, Caguas, Puerto Rico 00625, sent Christmas greetings.

Dr. and Mrs. W. S. Scales, 411 Exchange Bank Building, St. Augustine, Florida, sent greetings.

Class of 1958

Dr. Russell Boyd, 6837 43rd N. E., Seattle, Washington 98115, wrote us, sending this new address, but advising us that it will be changed again next March or June. He said,

"As far as present activities, I'm still on active duty with the Air Force, presently involved in an 18 to 20 month orthodontic program at the University of Washington in Seattle. We enjoy things out here very much—tried skiing briefly last year and as a result Joan has been in a long leg cast since March 24. We don't know how long this will go on, but it hampered our efforts at seeing the West Coast.

"We are planning to get to Las Vegas for a few days in November so hope to see lots of familiar faces there."

Dr. Delmar Byerly reported that he was moving to Cote de Azur, Sausalito, California.

Dr. G. B. Shankwalker, Gov. Dental College and Hospital, Bombay, India, sent Season's greetings.

Dr. Don Traicoff wrote a letter to Dr. Mitchell, who has given us permission to give you the following "scoop":

"Presently I am serving in the U.S. Army. I am stationed at Brooke Army Medical Center, Fort Sam Houston, Texas. After 3½ months of army "school" I am a preventive medicine officer and an instructor in that department at the Medical Field Service School.

"This last year I interned in Phoenix, Arizona. It was quite enjoyable—both the work and the area. We did a lot of camping and hunting while we were there. It is really a great place for people who enjoy the great out of doors.

"How are things at I.U.S.D.? Indiana is quite well thought of wherever I go. Most of the dentists I speak with recognize it as a dynamic institution."

Class of 1959

Dr. Hala Zawawi Henderson, P.O. Box 849, Kuwait, Arabia, sent Season's Greetings. She added a note, *"Wish all our friends at I.U. School of Dentistry a very Merry Christmas and a Happy 1966. We've had a rather hectic 1965, with three brief visits away from Kuwait—Saudi Arabia where we visited my sister—Bombay to visit my parents—and finally to London last month, where I almost froze to death! We haven't had much of a winter in Kuwait so far, and I like it just fine! We are looking forward to our regular vacation next year when we visit the States."*

We are informed that Dr. Donald Raymond Noelke has changed his name to Dr. Donald R. Nelson, and his address is 2447 Harry Wuzbach Road Apartment 201-B, San Antonio, Texas 78209. He is a Major in the Dental Corps.

Dr. Paul B. Risk, 1127 Loring Road, Columbus, Ohio 43224, wrote as follows:

"Fidelia, Scotty and I moved to Columbus in early September. After the usual occurrences that go along with moves such as this we are finally getting settled to a degree. I have found the orthodontic program here at Ohio State quite a challenge. I am pleased with school. Scotty tells Fidelia and me that we can expect a new baby brother or sister some time in February.

"You might be interested to know that my uncle, Luther A. Risk, D.D.S., who has taken two postgraduate courses in prosthetics at Indiana University in the last several years, is quite ill. He has lung cancer and recently had a heart attack. It appears unlikely that he will ever practice again. Bill Risk and Dick Fontaine, both of whom have been working in the Risk Dental Clinic, are being sized up by the Armed Forces. If they are drafted the Risk Dental Clinic faces an uncertain future! My other uncle, Harold Risk, D.D.S., could be left all alone!" (Note: Since receipt of this letter, we have been informed that Dr. Luther Risk passed away.)

Dr. Kent E. Wilson, N4722 OAK, Spokane, Washington 99208, writes, *"I am in Spokane, Washington now, practicing by myself and enjoying it very much. This area is made for me or any outdoorsman. The climate is tremendous as are the golf courses, ski slopes, hunting and fishing. I couldn't have picked a better spot."*

Class of 1960

Dr. and Mrs. Zack Kasloff sent season's Greetings from 592 Elm Street, Winnipeg, Canada.

Class of 1961

Received greetings from Dr. and Mrs. R. J. Schoeps, 457 James Street, Spencer, Indiana 47460.

Dr. Don Tyler, 302 Riverview Circle, Albany, Georgia, reports that he has been in Japan three years; now Albany,

Georgia, still in the Air Force. They have two boys. He hopes he will stay in Georgia.

Dr. and Mrs. Robert Winkler, 1001 Redondo Drive, Tempe, Arizona, 85281, sent Christmas greetings and a note saying *"We really enjoy Arizona."*

Class of 1962

Dr. Edwin H. Sakurai, Davis Clinic, Marion, Indiana, wrote saying he had recently heard from Dr. Kenneth Kaneshire and giving us his address as follows:

Dr. Kenneth Kaneshire, LSDR, USN, Dental Department, USS Kitty Hawk, CAV 63, FPO San Francisco, California 96601.

Dr. Sakurai reports he and his wife plan to go to Hawaii soon to visit his family. He also reports that they have a baby girl—named her Dorna.

Dr. Willard C. Stamper sent us clippings about Dr. Stephen W. Stamper, who was named the "Jaycee of the Month" by the Daytona Beach Jaycees for his work in promoting fluoridation of the city's water supply.

Dr. and Mrs. Clarence Wentz sent Christmas greetings from Building 1014, Apartment 5, Fort Wainwright, Fairbanks, Alaska.

Dr. and Mrs. Nelson Wolfe sent Christmas greetings from Alamosa, Colorado.

Class of 1963

Dr. Richard R. Hori, 4734 Jewell Street, San Diego, California, wrote such an interesting letter to Dr. McDonald that I asked permission to share it with you:

"We think San Diego is just a wonderful place to live. Much to my amazement, I have found that the life of a Naval dental officer is a pretty pleasant one. I suppose two years of graduate pedodontic study makes anything feel relatively easy.

Since dependent care is not given at this base, my actual pedodontic practice is very limited, but I must tell you that we have an unlimited number of seven-

teen-year-old "children" who need dental care. This is especially true with the ever-increasing influx of new recruits.

"I am thoroughly shocked to see the extent to which these boys have neglected their dental health. Full mouth extractions for complete dentures are not uncommon. . . . I have restored more deep carious lesions in the last three months than I did in the last four years of dental school. Many boys have not been seen by a dentist for five or six years. We have approximately 60 dental officers here, but providing complete dental care for every recruit is still impossible."

Dr. John T. Mayhall, Itinerant Dental Officer, Alaska Native Medical Center, Box 7-741, Anchorage, Alaska 99501, wrote an interesting letter which I shall quote in its entirety:

"I have enjoyed my duty with the Division of Indiana Health of the U. S. Public Health Service so much that I have decided to stay for awhile. Alaska agrees with Mindy and me very much.

"My duty now is challenging and adventuresome. I am the traveling dentist for an area five times the size of Indiana. The farthest village that I travel to is 1300 miles from Anchorage. I am "on the road" about six months a year. We (my dental assistant and I) have a completely portable office that fits into four trunks and weighs about 300 pounds. The equipment has everything except an X ray. We usually spend about two weeks in each of the villages we visit and work in the grade school or some other available space as near the school as possible. Our program is intended to furnish essential dental care for the Alaska native children up to 18 years of age. We aren't able to do anything fancy on these trips but there are enough extractions and restorations to keep one occupied until about 10 or 11 p.m. seven days a week.

Traveling is a little different than in the "Lower 48". Almost all travel is by

airplane with some trips of short distance by boat or dogsled. As most of our travel is in the winter while school is in session, the weather can make a definite schedule impossible so we just go when the WPPW (weather's permitting—pilot's willing).

"When not traveling I work at our hospital here in Anchorage. It is the largest hospital in the state (about 500 beds) and we receive patients from all the smaller field hospitals around the state. It is an excellent opportunity to see some of the pathology that the texts list as rarely occurring. I have also had the good fortune to meet several researchers who are carrying on projects in Alaska.

"It was unexpected pleasure to see Dr. Johnston when he visited Anchorage! I'm sorry I wasn't able to get to talk to him longer."

We received a change of address for Dr. Edwin S. Robertson to 6221 North Keystone Avenue, Indianapolis, Indiana 46220.

We received a change of address also for Dr. William H. Rosenstein, Meadowood Shopping Center, 3063 North High School Road, Speedway, Indiana 46224.

Class of 1965

Dr. Wallace F. Chong, Jr., MCRD, Dental, San Diego, California, sent Season's Greetings.

Dr. and Mrs. Stephen Cohen, 3900 Ford Road, Philadelphia, Pennsylvania, sent us the announcement of the birth of Aaron Scott Charlton Cohen on August 25—weight 7 lbs. 1 oz.

Dr. Jonathon S. Comer sent us a change of address to 2543 North Admiral Drive, Forrestal Village, Great Lakes, Illinois 60087.

Mr. Leo P. Gauss sent us the following note:

"Received the Alumni Magazine addressed to David L. Gauss which I forwarded to him. He is now in Saigon, Viet Nam. Thought you would like his new

address for the next issue—*Captain David L. Gauss, 05540271, 36th Medical Detachment, Dental Service, APO, San Francisco, California, 96307.*

"I know he would love to hear from friends from I.U. Dental School.

Dr. Harry Reith, 205 East Concord Lane, Fort Wayne, Indiana 46806, sent Christmas greetings.

Dr. Joel Knapp sent a change of address to 2471 B, Clarkdale, Fort Lewis, Washington. He reported, *"My wife and two children and I live in Washington now on the Fort Lewis Army Post. We love the country up here and I am learning a lot."*

The following visited the Dental School and signed our "Guest Register:"

Class of 1935: Dr. M. J. Bean (you'll find his address listed under the Class 1935)

Class of 1936: Dr. Chester A. Rycroft, 100 Herndon Drive, Evansville, Indiana

Class of 1957: Dr. George von Mohr, 421 North 9th Street, Blythe, California

Class of 1958: Dr. Dallas T. Cope, 1983 Drew St., Clearwater, Florida

Class of 1959: Dr. W. Joe Hilton, 6855 Hallandale Bch. Blvd., Miramar, Florida

Class of 1960: Dr. E. M. Pfafflin, 813 Bellemeade Avenue, Evansville, Indiana ("May be called into service but use Evansville address until January.")

Class of 1961: Dr. Donald Tyler, (you'll find his address listed under the Class of 1961.)

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Dean Hine, Miss Katz, and friends of Miss Katz, Greetings to all of you.

Miss Katz, I am really glad to see you—I heard you were contemplating jumping off the balcony! I once thought of joining you. Seriously, I am happy to be here to-

night as it is really a pleasure to honor a woman who is not only dedicated to the dental profession but a very nice person to know.

The Good Book says "if you would have friends you must show yourself friendly." From the letters and comments we have received and the presence of all of you here tonight, it seems our guest of honor, Miss Gertrude Katzenberger, has certainly qualified as a friendly person.

When Dean Hine asked me to represent the Assisting Staff on this occasion my first fear was that I wouldn't be able to think of things to say. But now I'm afraid I won't run down—there is so much to be said.

When I joined the staff of Indiana University School of Dentistry in October 1944 I was told there was one person I must meet and they called her Miss Katz. They said she had been with the dental school a while and could really give me some pointers regarding the history of the school and just most anything I wanted to know and that she was the cashier in the Main Clinic.

Well, meeting Miss Katz was a delightful experience. She was jolly, friendly, efficient, reliable and all else that was good. It wasn't long until I learned she really could tell me about the various locations of the school and things past (although then she never told me how far back she could remember). She also was up on the present day news, but let me tell you she had one attribute you all may not know about. She could foretell the future! How her dark eyes would sparkle and how she would laugh as she whipped out that little 'ole special deck of cards she carried and proceeded to tell the fortunes of all interested parties. She was really popular. I thought she had forgotten all about telling fortunes until I heard just recently that she had threatened to set up shop here tonight and tell all our fortunes. What a treat that would be. If she doesn't

find time, come back when she isn't so busy and I'm sure she will oblige.

I must digress just a minute to say that when the women's lounge was where Dr. Bogan's office and the student office now is that we often annoyed Dean Crawford with our hilarious noon hours spent with fortune telling and getting Miss Katz to laughing—we joined in, of course—no one can hear her laugh and not laugh with her.

When Dr. Hine became dean he moved us down the hall! But the faculty took over our lounge and just for the records, they had cards too, but not to tell fortunes with—they invested fortunes, I think!

I want in these few minutes to tell you in words and by pictures how we have come a long way since January, 1916.



Figure 1

In 1914 the Indiana Dental College moved into this building at the corner of Meridian at North Street. (Fig. 1) Dr. Hunt died in 1914 and his widow, who retained ownership of the school, persuaded Dr. T. R. Henshaw to take the position as dean. In January 1916 Dean Henshaw hired a lovely 16-year-old girl to work as cashier in the dental clinic.

I give you Miss Katz—16 years old—isn't she lovely? (Fig. 2) Small wonder that rumor has it that Dean Henshaw issued a special notice to faculty and students that they treat this nice young girl with proper respect. They did and so have

all since then. She has been a special person to all and while the school moved to other locations and classes grew bigger, incomes and budgets increased, she remained the same efficient, thoughtful and kind person that we all know her to be. Incidentally, the Assisting Staff numbered five including Miss Katz.

She didn't have a cash register in those days—she kept the money in a drawer and handed it over to the Dean's secretary each evening. The average income was a little over a thousand a month, she tells me, and she remembers what a big day it was when she took in \$150.00 Since they had only a 9 or 10 month clinic, the income was roughly \$10,000 a year. This was 1916.

In 1920 the Indiana Dental College moved to the corner of Pennsylvania and Walnut Streets where it stayed until 1933. (Fig. 3) In 1925 the State of Indiana purchased the school for \$35,000 and the Indiana Dental College became a part of Indiana University. But even though Indiana University had the dental school,



Figure 2

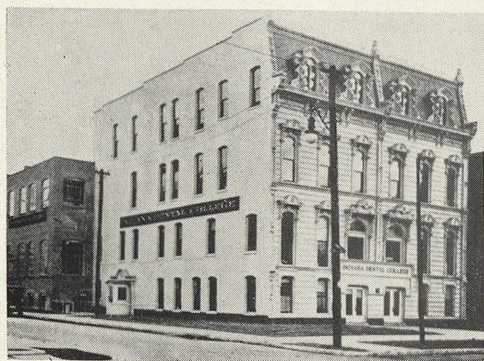


Figure 3

they still needed Miss Katz as cashier and at that time they had seven or eight members of the Assisting Staff in the whole school.

And here is Miss Katz as she looked in 1925-26—nine years since she joined the staff of the Dental School. (Fig. 4) She is still the cashier, keeping pace with an income of some \$25,000 and a budget of some \$75,000 from Indiana University. And now there were student treatment counts to keep and these duties were hers—to be sure the student had enough



Figure 4

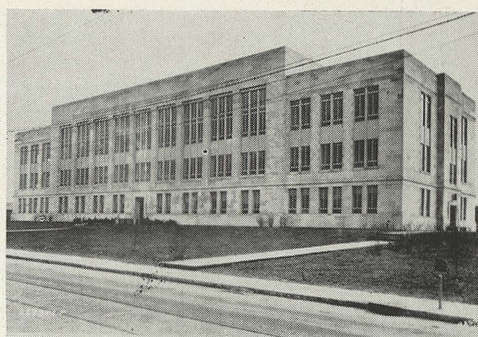


Figure 5

counts to graduate. If you think the keeping of counts isn't important, ask a dental student.

And finally she had a cash register. She had to crank it manually but it was a status symbol and she was happy. She always has been happy—and never a headache in her whole life!

Now to jump 20 years.

This is the building built in 1933 and still the home of I.U.S.D. (Fig. 5) It was so plain—my husband called it a match-box—and Dean Henshaw planted ivy from his own yard to cover up the bareness. (Fig. 6) Well, the income was about \$59,000 year—budget \$129,000, twenty on the assisting staff.

Time moves on—a new dean, Dr. Maynard K. Hine—and under his capable supervision dentistry at I.U.S.D. grew by leaps and bounds. New rules and regulations—more clinic counts for this treatment and less for that one—and the cash

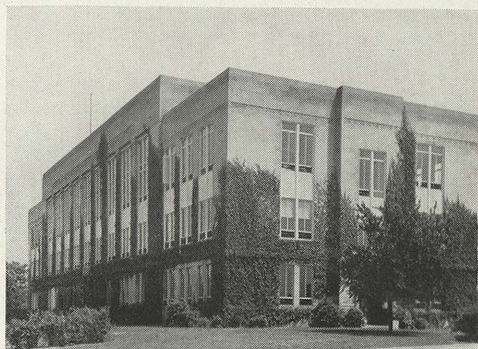


Figure 6

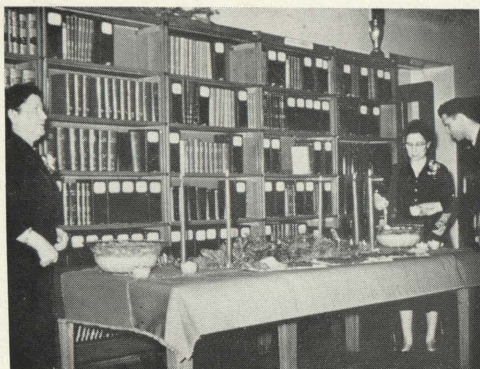


Figure 7

register rang merrily and who was cranking it?—You are right, Miss Katz—but she has an added title, Office Manager.

I don't have a picture of her taken in 1945, but a few years later at a Dental Hygiene Capping Ceremony she served and you can see she is still young and charming. (Fig 7) She is the one on the left—I'm on the right but please ignore me. I have long since learned to love her and wherever she is, she is the life of the party.

And now it is 21 more years added on to 1945, and here we are in 1966. (Fig 8)

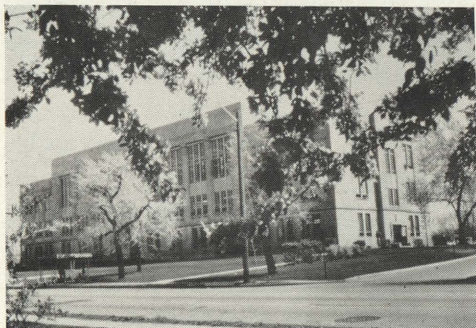


Figure 8

We have added about 60% more space to the dental building and busy is spelled with all capitals and our assisting staff numbers 138, with 126 of them being on this campus. And, yes, there she is—taken just a few days ago. (Fig. 9) Still going strong!

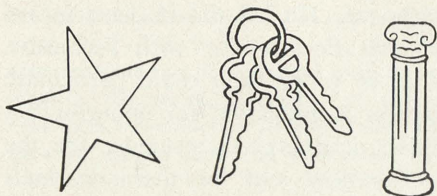
Our income last year—about a quarter of a million and our budget over a million.

As for clinic counts, well they are endless and now Miss Katz has an electric cash register with all kinds of fancy gadgets on it for keeping records. New forms of all kinds to fill out and Miss Katz acquired an assistant somewhere between 1945 and 1965 and two appointment clerks and two girls dispensing supplies. It is a far cry from the days when she did it all—took in the money, kept the counts, dispensed supplies and fought off the dental wolves who were not unaware of her charms. But you can see from her smile and the twinkle of her eyes in this picture that she has survived the years very well. In fact, it seems to me everything has changed but Miss Katz. She just grew up with the job—conquered all obstacles and took all new hurdles in her stride.

Miss Katz reached retirement age a year ago, but we couldn't imagine the dental school without her and she seemed to like us too, so onward we go. Miss Katz, I hope you will be with us for several more years, people like you grow ever younger.



Figure 9



Dr. Paul Starkey

Cadaver Commemoration Service

Roland Ditto, president of the freshman class of the dental school, and Judy Fry, one of the two women members of the class, were walking towards Emerson Hall to attend a joint meeting of the freshmen medical and dental students. An announcement had been made that they were to meet for a Cadaver Commemoration Service. Both admitted to some wonderment about this service and expressed curiosity.

There was a considerable amount of noise as this large group of students found their seats and became settled. Then quiet ensued as Dr. Warren Andrew, Professor and Chairman of

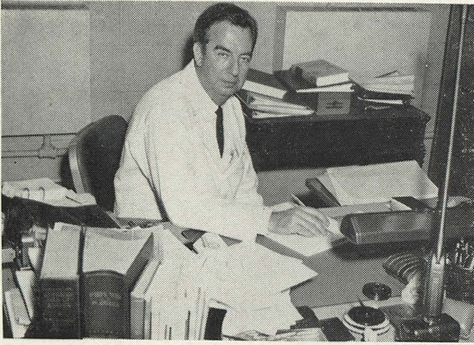
Anatomy of the School of Medicine and School of Dentistry, approached the podium. He began by giving a brief historical background of the problem related to the acquisition of anatomic material, mentioning the studies in classical Greece on the anatomy of many forms of animal life; the dissection of the human body in the school at Alexandria, and the relative lack of human dissection in the Roman Empire, with almost all of the knowledge of anatomy being obtained from dogs and monkeys. He then spoke of the Dark Ages and the interdiction against dissection; and the Renaissance, with courageous men beginning anew to dissect the human body. The students



Mr. Roland Ditto



Miss Judy Fry



Dr. Warren Andrew

listened intently as he told of how Andreas Vesalius had to obtain his human material for dissection at the gallows outside the city gates.

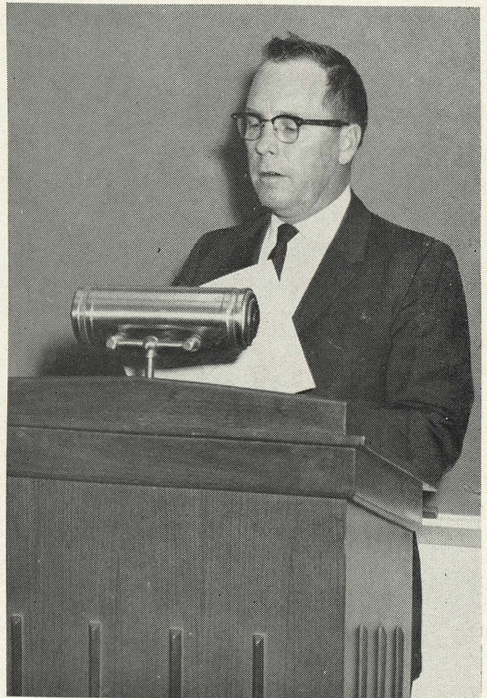
Our freshman students, just beginning their dissection of the human body on the cadaver tables, heard how the general attitude of the public underwent considerable improvement in Europe and in this country in the nineteenth century. In many cities, however, as in Edinburgh and Baltimore, there have been great waves of public indignation against human dissection.

Dr. Andrew told the assembled students how the acquisition of bodies became sanctioned by state legislation, reading excerpts from the Anatomical Law of the State of Indiana and describing establishment of the Indiana State Anatomical Board in 1903. He spoke of the bequeathal program in which the new and enlightened attitude of individuals who decide to will their bodies presents a most encouraging step of progress in this field. He pointed out and emphasized the responsibility of medical and dental students to appreciate this attitude and to see to it that nothing in their own conversation and behavior would tend to bring us back to the earlier days when human dissection was so frowned upon.

Dr. John A. Whitesel, Chaplain, I.U. Medical Center, developed the service that was being conducted as an assignment and challenge from the Anatomy

Department. He led the students into a commemoration service with responsive portions in which they could participate to express appreciation for opportunities to dissect and express reverence for the will of society and for the individuals that made their studies possible. It began with this introductory meditation:

We have need to solemnize in commemoration the contribution of the cadaver, not only to the science and art of (Medicine) (Dentistry), but also toward our understanding of the whole man we ultimately serve. Both society, through legislation, and benevolent individuals have assumed their accepted responsibilities to provide rather than deny this service. Our rightful response is to acknowledge with esteem their endowment to our need, and to assure in the presence of ourselves and before society the integrity of the body extended to our hands by their responsible consciousness and spirit. Our response is to affirm partnership in purpose, whose ultimate meaning is realized when eventually we relate our science and its arts to the whole living person coming to our hands for that good we can render. It is then that the material body of



Chaplain Whitesel leading the students in the Commemoration service.

the cadaver willed under the spirit of fulfillment shall find it through us. For, as no dissected part can be separated from its source-identity, the essential integrity of the whole calls forth recognition of its parts—even beyond its vital aspects unto the dimensions of consciousness and spirit. The contribution of the cadaver is as universal as our science and as individual as our personal practice of its professional arts.

Then came the Declaration of Acceptance:

We have accepted the material body of man, mindful of the willed purpose under which it was endowed and the inherent dignity it reveals. Yet, with acceptance, we acknowledge man to be more than body; rather a person, a unity of body, mind and spirit, self-conscious of their relationships. A full understanding of man requires that he be dissected anatomically, psychologically and spiritually, while revered in his integrity. Our privileged inquiry has led only to partial understanding.

We have accepted the material body of man likewise mindful that we are neither its servant nor its possessor. Our relationship is one of partnership in learning that has yielded knowledge necessary to our science, which we hold in trust, as we do our individuality in its application.

In this context we affirm our acceptance of each cadaver, relinquishing all other claims excepting appreciative commemoration of their individual and collective gifts.

Now came the time for the students to participate. Their response gave evidence of sincerity:

Dr. Whitesel: For the endowment of man with the impulse to seek truth of himself and to impart it to his fellowman, giving even fully of his body for this purpose,

Students: We praise Thee, O God, our Creator.

Dr. Whitesel: For the good and rightness in every such gift by man that yields understanding in his search for fulfillment in health,

Students: We acknowledge our appreciation for those who have so come to our hands.

Dr. Whitesel: For the privilege of inquiry through the human body toward achievement of our objectives for personal and professional development within our chosen field of science,

Students: We acknowledge our indebtedness in the freedom to study the human body.

Dr. Whitesel: For inspiration before the paradox of individuality within the certitude of universality in system orderliness.

Students: We confess our wonder and continuing need for the artful study of man.

Dr. Whitesel: For the awakening of humility in discovery of the magnitude of the unknown surrounding the known of the material of man,

Students: We confess in our awakening the contribution of the human body so recent at our hands.

In unison they read the Act of Commemoration:

Whether objectives lead us to the field of diagnosis, or treatment, or prevention, or investigation, or education in the pursuit of our profession, we carry the contribution of each human body before which we have studied. Each has yielded insight that transcends the original material form to become a worthy inheritance from which we seek to advance our field of science and enhance the practice of its arts. Through us the worthiness of their gift is enduring. In commemoration we acknowledge each, though by name in life unknown to us, for the sacred contribution each has made to the fields of our science and its arts.

All together they read the following Prayer of Commemoration:

Eternal God, Source of all Truth, we are stirred to behold the incompleteness of our efforts before the majestic order of Thy creation. We are mindful that into man's body Thou has breathed life and of this life Thou has endowed consciousness rising yet unto the awareness of his spiritual nature. We seek continued appreciation of all aspects in man that provides understanding of his structure and relationships, his meaning and his destiny. Bless Thou the knowledge that has come to our hand, mind and spirit, that it may serve others as unrestrainedly as it was given to us. We commit to Thy safekeeping and our reverent regard each whose body has so yielded for our knowing what we have yet to comprehend. Grant, O Lord, that the words of our mouths and the meditations of our hearts in this hour be acceptable in Thy sight, our strength and our redeemer. In Thy name we pray. Amen.

Dr. Whitesel dismissed the students with the Benediction:

May the Lord bless you, and keep you: May His favor uphold you in all your studies and associations in your chosen field of service. Amen.

As the now very thoughtful and serious participants in this Cadaver Commemoration Service departed the room, comments were heard such as, "Very nice, don't you think?" and "Makes you think, doesn't it?" and "This is a good idea."

Dentistry has made great progress in the past decade. The profession has earned and is continuing to earn sincere respect from the laity because it is assuming its responsibilities by providing improved dental services to people, by improving its own educational system, and by contributing to knowledge as a result of serious research. The conduct of the professional man today in his daily life is commanding of respect, and to me the inclusion of such serious programs as just described is part of this overall progress.

Because I felt that you readers of this column would be interested in the reaction of some of the students to this service, I talked with two of them. When I asked Roland Ditto if he thought the service was worthwhile, he answered positively and said that he thought it brought the student to the realization of his special need for the cadaver and felt that for the first time it caused him to consider the importance of respect and care for the object of his dissection. I asked Roland how the service affected him personally and he said that he took it seriously, and although he was previously unaware of the procedure to be followed in the service, he felt that afterwards his respect for the cadaver had increased and that he had a greater appreciation of the opportunity to dissect the human body.

Judy Fry told me that she felt the students had more or less taken for granted the availability of human dissection material and that now they had a much greater insight into the acquisition of bodies and to the altruistic attitudes of donors. Judy expressed her appreciation for the service and said that she believed most of her classmates felt the service was of distinct value.

Chaplain Whitesel told me that when he accepted the assignment of developing the Cadaver Commemoration Service he sought Jewish, Catholic and Protestant sources for advice so as to construct a service with meaning and relevance to students of all faiths. He mentioned that little information is available concerning the moral issues involved in dissection and new thought was needed to form a service which would meet our needs. Dr. Whitesel explained that the service which was presented to the students was a result of a joint effort on the part of the Anatomy and Chaplaincy Departments. It was designed for the purpose of setting aside a time for conscious acts on the part of those dissecting the cadavers to commemorate the individual and collective will providing the material. These acts were to include (1) the acceptance of all responsibilities the privilege dissection affords; (2) the recognition that all material studies are not the end of will and responsibility but rather a link—a link that connects one's will to serve with the students until the student in turn releases the gift of information to living bodies in the form of service to people, and (3) the appreciation that the pace and pressures to acquire information often narrow the student's perspective to the present, but that it should be recognized that the present is only a prologue to the future and the future is service to the living, whether in teaching, in treatment, in research, or in a crowded laboratory.

We alumni can take pride in the fact that we have such fine men as Dr. Andrew and Dr. Whitesel associated with our university and our students—men who have a concern for the development of proper attitudes on the part of our students. This concern not only helps to develop good students but develops good practitioners of the healing arts with the highest of ideals.

It was last year while visiting Temple University School of Dentistry and talking with our good friend Dean Charles Howell that I first heard of a cadaver commemoration service. Chuck told me that their service is held at the end of the year and all interested parties are invited, including the families of the deceased. During the first meeting of the freshman class, as a part of their orientation and also as part of the first lecture in gross anatomy, special emphasis is placed on the seriousness of the laboratory and the opportunities that are theirs as a result of others. This was all new to me and I was quite interested. Several days later back on our own campus, I was having lunch with Dr. Andrew and commented that Dean Howell had told me of their Cadaver Commemoration Service. It was then that I learned of the service held on our campus which I have described for you. As I gathered material for this article I became more and more interested. Dr. Andrew told me then of the bequeathal program in Indiana. He is secretary of the Indiana State Anatomical Board and his charming wife aids him in this work. Dr. Andrew explained that as medical education and research expand, so does the need for human remains, for it is at the dissecting table that the student in the healing arts actually sees the anatomy he is learning.

There is a large number of Indiana residents who carry a billfold size card with them. It reads "I have willed my

body to Indiana University Medical Center . . . for the advancement of medical education. In the event of my death, please call. . . ." There are about 200 such people a year in Indiana making bequeathals while still alive and not uncommonly in excellent health. "This idea of service to medical education and research is very important to a lot of people," said Mrs. Andrew. She added, "An occasional stimulus is needed to remind people how worthwhile and important this is, however."

There was a time when such a program was hampered, even virtually blocked, by the law which provided, in effect, that your body didn't belong to you anymore after death. It belonged to the heirs.

The 1963 Indiana Legislature, however, changed this with a statute that says, "every person of testamentary capacity may give by will or other written instrument executed during that person's lifetime, the whole or any part of his body or her body to the State Anatomical Board. . . ."

Passage of this bill followed the work of an Indiana University anatomy professor, now emeritus, Dr. Edwin M. Kime, who for seven years previously, appeared frequently at medical meetings, pushing what seemed then, at least, a rather dismal project. Many of you reading this column remember Dr. Kime.



Mrs. Warren Andrew discusses the bequeathal program with a prospective donor.

"He got the program of bequeathals off to a good start," commented Dr. Andrew of his predecessor as Secretary of the Anatomical Board.

Dr. Kime established the policy of treating all inquiries to the Board (204 Medical Science Building, Indiana University Medical Center, Indianapolis, Indiana 46207) as confidential. This policy is being strictly honored by the Andrews. Each individual making an inquiry receives a personal reply and special problems or questions are given careful consideration.

Many persons ask, "How is such bequeathal looked upon by my church?" The Jewish Orthodox faith forbids such use of the body after death. To the reformed segment of Judaism, however, as well as to most Protestant faiths and Catholicism, it is acceptable.

In regard to the latter faith, Msgr. J. D. Conway writes in *Criterion* (October 29, 1965) to answer concerns of Catholics wishing to donate their bodies to research but uncertain of the church's attitude by quoting from a statement delivered by Pope Pius XII on May 14, 1956: "A person may will to dispose of his body and to destine it to ends that are useful, morally irreproachable and even noble. . . . One may make a decision of this nature with respect to his own body with full realization of the reverence which is due to it. . . . This decision should not be condemned, but positively justified."

For those concerned about final disposition of the body, it is the Board's policy to return the cremated remains to a family requesting them for private services and burial or entombment.

You may be interested to know that 30 per cent of the bodies used this fall for dissection were bequeathals. The others were unclaimed bodies. In this new year of 1966, more than 50 per cent of the bodies being used have been

bequeathed. And still there is a great need for bodies for use in research and teaching.

Many of us remember some highjinks and pranks in the dissecting room. These acts were meant to be harmless but were certainly less than good professional conduct and not in keeping with a conscientious learner's attitude. Such behavior is a thing of the past and hopefully a soon-to-be-forgotten part of our profession's evolution. Cadaver commemoration services do much to develop in the student a proper attitude toward human dissection material. In turn, persons considering bequeathal of their bodies to aid students in their education will be encouraged to carry through such action with confidence if they know that their purpose will be fulfilled through grateful and reverent hands. Perhaps this effect was manifest in one of the freshman students in attendance at this year's commemoration service who has since bequeathed his body to the Anatomical Board.

MISSILE FROM VIET NAM

Recently I received the following letter from a graduate of the June, 1965 class that I feel sure you'll appreciate the opportunity to read.

*Lt. T. J. Urbanski 664138
3rd Dental Co. 721
3rd Marine Division FMF
FPO San Francisco, Calif.
96601*

Dear Dr. Starkey,

I thought that I would drop you a few lines and let you know how things are here in Viet Nam. I'm presently at the Marine base of Da Nang and probably will be here for 6 or 8 more months. I must say this is quite a place—not exactly the French Riviera but I'm managing o.k. I am living in a tent with three other officers; right now, it's starting to get a little hot over here and temperatures inside get up to 120-130 degrees. However, it's not so bad if you don't mind bugs, rats, and cold showers too much!

One thing, though, I'm getting much more experience out here than I thought I would. Remember when I said that I probably wouldn't be seeing any kids out here? Well, I certainly was mistaken—besides working on the marines 6 days a week (in the morning) we go out 3 times a week to Da Nang schools and surrounding villages and take care of the dental needs of the Vietnamese kiddies, who would otherwise not be able to obtain treatment. All of the work, or most all, is of an emergency nature—temporary fillings of ZnO and Eugenol and extractions. No Hawley retainers or Willet cast overlays! We can't take much equipment with us—only forceps and hand instruments, but we manage. If only I had a close-up camera to take some intraorals—lots of interesting cases. I enjoy it and the Vietnamese people appreciate it. In fact, the dentists out here are an important factor in winning the people over to our side.

It is fairly safe here on the compound (or so they tell me) but artillery fire (ours) goes

off quite often to our rear. I've been issued a 45, though mainly as a "preventive" measure. I've been doing a lot of reading out here—even dentistry. Yes, dentistry, believe it or not! (Got here on the 18th of December) Also I have painted a few pictures and have been taking loads of still and moving pictures.

Very truly yours,
Dr. Ted Urbanski

I'm proud of this letter and proud of the dentist who wrote it. Dentists are important people and I was impressed with his comment that the dentists are an important factor in winning the people over to our side. Our behavior in our daily life, whether it be in our offices, the classroom, or on the battle front is important to our profession. Dr. Urbanski is representing us well.



The 1935 class of the School of Dentistry celebrated its 30th anniversary during the 21st annual Fall Dental Conference at the University. Pictured are, top row left to right, Doctors John Scarborough, Robert Boesinger, Louis Siegel, Donal Draper, Robert Peden, John Buhler, Ralph Brown, Joe Goshert, Frank Goode, Leo Pancoska, William Smith, Shelby Groves, Don Van Gilder. In the second row are Doctors Thurman Smith, Frank Traster, Joe Cockerill, Otis Scott, Cecil Ball, Jacob Bloom, Edward Terrill, Pearl Schwartz, Edward Bettcher, and in the bottom row are Doctors Max Bean, James Favorite, Robert Boggs, Ralph Gieringer, Phil Haft, Edward Terrill, Thaddeus Gregory, LeRoy Maas. Attending, but not in picture was Hoyt Kuhns.

Class and Fraternity News

FRESHMAN CLASS

The class officers for this year's freshman dental class with an enrollment of 97 students are as follows:

Ron Ditto—President
Tom Barco—Vice-President
Judy Fry—Secretary
Jean Radike—Treasurer
Marc Smith—American Dental Association Representative
Richard Wheeler—Student Council Member
Bill Decker—Student Council Member

It was decided that \$5 per student would be the dues for the first semester. Our first interest was to stencil old tests, enabling each student to have a copy.

Two unofficial parties were held on November 2 and January 7 at Green Briar Apartment Recreation Room and on December 4 the class thoroughly enjoyed themselves at the Freshman Dental Class Dance with "The Intruders" from Anderson.

Both a football and basketball team were organized in the early part of the semester and much success was met at the first football game where the freshman dents beat the sophomore dents 6-0. The first basketball game was lost to the Extension Center, but the freshman dental team met with tremendous success in their second basketball meet with victory over the sophomore meds.

The first semester was also one filled with many fraternity rush parties which many students have attended and enjoyed.

Judith Fry

SOPHOMORE CLASS NEWS

The Sophomore class had its class party December 18, at the Slovenian National Home. It was a resounding success, few who were there will forget Joe Grider as Santa Claus and Joe Pesut as the baby "1966."

On December 19, along with the Dental Hygienists, we entertained the children of Christamore House to a Christmas party. Skits, singing, cookies, and punch along with Santa Claus again were very popular with the children.

Our highly successful basketball team composed of Richard Rudicel, George Shad, Phil Pate, Charles Poland, Gordon Cruickshank,

Mike Leavitt, and Bob Ketcham defeated the freshman medical students, graduate dental students, and the previously undefeated interns and residents before being upset 51-46 by the sophomore medical students.

We sophomores have assumed control of the Junior American Dental Association. President Bob Angerman, Vice President Joe Grider and James Mullis Secretary-Treasurer are in the process of revitalizing this organization. Dean Hine will address the next meeting and a film entitled "A Dentist's Average Day" will be shown.

Other notes:

Mr. and Mrs. Peter Czaja are the parents of an 8 lb 3 oz. daughter, Dawn Marie.

Francis Shembab has been seriously ill and underwent surgery December 29, at Robert Long Hospital. He is back with us now and will soon catch up with his studies.

The Sophomore class now awaits the traditional rigors of the infamous "second semester."

C. E. Miller

SENIOR CLASS

"The senior year—

At last it's here

Let's lift our glasses

And give a cheer!"

After a long and many times bitter fight the Class of 1966 finally made it to the "top." With graduation in June finally a reality, many of us find the time running short with necessary requirements to be done. However, I'm sure that we shall all be "there" in June.

The class chose as its officers for the year: Dave Avery, president; Tom Dunn, vice president; Joe Scales, treasurer; and Abraham Ochstein, secretary.

In October Eli Lilly and Company gave the class a tremendous treat with a visit to their plant and later a party which we shall all long remember.

In January the Upjohn and Company gave the class another treat with a trip to their plant in Kalamazoo, Michigan. Again it was "an affair to remember."

With the end of the semester rapidly approaching with its final week and tests, the class shall be rather hard at work studying and finishing our requirements.

Abraham J. Ochstein

ALPHA OMEGA

Alpha Omega opened its year with a get-together with its present members and with prospective members in the freshman class.

Several other parties were held throughout the year. The second part of the year holds many great expectations and affairs for Alpha Omega.

Abraham J. Ochstein

PSI OMEGA

Psi Omega Fraternity is enjoying an active year mainly due to an increase in membership of 25 new active members in 1965. The fraternity house interior was painted and we added more living space, also the house is filled to capacity this year.

We purchased several pieces of new equipment for the laboratory and we are in the process of buying new furniture. We are grateful to Dr. Hall for the donation for the furniture and Dr. Price for the television set.

We are looking forward to the pledging of freshmen in February. We are planning a party in mid-February for the new pledges.

January 14 Psi Omega held a Casino Night party for all members of the student body and Alumni for the purpose of raising funds for the fraternity.

Various Psi Omega brothers have been elected to campus offices this year. Norman Novak is President of the Sophomore class and Bob Angerman is President of the student A.D.A. and Jim Mullis Secretary-Treasurer of the student A.D.A.

ORAL DIAGNOSIS

(Continued from page 12)

Relief of pain is usually accomplished at this time.

Many of the patients are referrals from dentists and physicians throughout the state, or from other departments in the school. These patients are either examined by the staff and/or assigned to a graduate student who examines the patient under supervision of the staff. After completion of the examination, the patient then is treated or returned to the referring doctor, along with a report, depending upon the request. These special cases are welcomed and serve as a very valuable asset to the



Figure 3

CLINIC AREA (Room 202): This photograph shows the continuously rotating drug display and the mobile treatment cart.



Figure 4

ORAL DIAGNOSIS/ORAL MEDICINE RESEARCH LABORATORY (Room 217): Faculty and Graduate Students use these facilities for their research projects. In the background are the offices of Chairman, David F. Mitchell and his secretary.

teaching program. Any dentist desiring assistance with a diagnostic problem need only call the clinic (635-8431, extension 410) or send a letter of referral to this department. If additional information in

the form of radiographs or special written history is sent with the patient, it is most helpful and may save time for all concerned.

Needless to say, readers are invited to visit the department and if we may be of any service to you, please do not hesitate to let us know.

LIBRARY

(Continued from page 23)

the ability of the varnishes. The tissue response to red copper cement, however, was very severe. The varnished specimens exhibited little irritation when compared to the control. This study indicated that gum-resin cavity varnishes were comparatively non-irritating and did afford some protection against the irritation of dental cements.

Several applications of a gum-resin varnish to the cavity or crown preparation before cementation of gold castings might decrease the irritation of zinc phosphate cement. Moreover, several applications of a gum-resin varnish over a calcium hydroxide mixture would seal cavity margins, decrease marginal leakage, and in addition, aid in preventing irritation from silicate cement.

DENTAL HYGIENE

(Continued from page 28)

apolis. Gay Gossard will be married to William Winslow April 17th, and will live in Enterprise, Georgia, until Mr. Winslow is out of the service. Sally Howard is currently in Hawaii. Sometime in February she will be married to Bernard Abram Stein. Karen Tade became Mrs. Joseph Powell in January. Leslie Smith and her sister had a wonderful trip to Europe last summer. Vivian Walton is working in Oklahoma and is living at 1701 N.W. 46th St. #209, Oklahoma City. She writes that there are about 25 dental hygienists working in Oklahoma City and at first she had some difficulty getting located but wound up with a group from which to choose. She hasn't abandoned the idea of working in Europe but this will have to wait

for awhile. Jeff and Dina Landrum started a dental record for Todd Garrett on December 8, 1965. The Landrum's live at 3847 W. 140th Street, Cleveland, Ohio. In spite of all their guesses the baby of Nancy (McLain) Munn will wear dresses. Molly Sue arrived November 18th. The new address for Sandra Stamper is Box 97 Battle Ground, Indiana. She is working in Lafayette.

The Class of 1965 holds the record for fast marriages after graduation. About all we have been able to do is keep up with changes in names and addresses:

Caroline V. Brown—Mrs. Fred Robbins,
5328 Tara Ct., No., Indianapolis

Marilyn Brown—Mrs. Thos. Noble,
110-15 Married Students Cts., W.
Lafayette, Indiana

Betty Bush—Mrs. Chas. Brown, Wash-
ington, D.C.

Martha Coleman—Mrs. Ronald V. Duch,
6128 Verdun, Indianapolis

Martha Engleman—Mrs. Darrell Hoyer,
6209 Beachview Dr. #72, Indnpls.

Anita Hubbard—Mrs. Stephen Weaver,
5016 LeMans Dr. M-4, Indianapolis

Sharla Klahr—Mrs. Gerald Hickman,
5323 Tara Ct., Indianapolis

Martha McClure—Mrs. Max Lieberenz,
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Peggy Smith—Mrs. Kenneth Cunning-
ham, R.R. #1, Whitestown, Indiana

Karin Warriner—Mrs. Wm. Cobb,
2904 Miori Lane Cts., 220,
Victoria, Texas.

There isn't very much exciting news around school. As Dean Hine is Presi-

dent of the American Dental Association this year he is on a tight schedule. Miss Ackerman received a Master's degree in Dental Hygiene Education last year at the University of Michigan and is now Assistant Director of Dental Hygiene. There are plans for a large new addition to the school—all that is needed is about five million dollars.

The dental hygiene staff is always pleased to see or hear from alumnae. Although we do everything possible to keep our address list up to date, there are many issues of the Alumnae Journal returned because of incorrect address. It would be appreciated if you would send us a change of address card when you move.

Tentative dates for a Dental Hygiene Seminar have been set for April 5th and 6th, 1967. We would appreciate suggestions for program material.



Class of '39 presenting chair in the memory of Dr. Scott Sowers. Proceeds are to be used to buy more dental equipment for the school.

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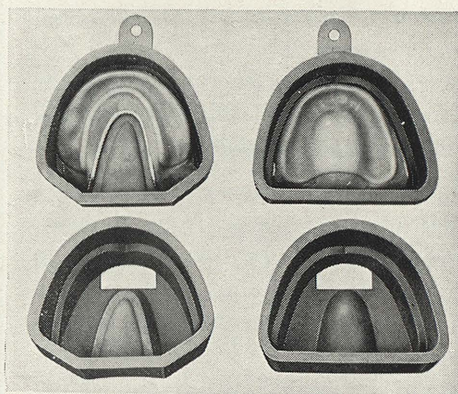
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