

Alumni Bulletin

INDIANA UNIVERSITY
SCHOOL OF DENTISTRY

JULY, 1956

INDIANAPOLIS, INDIANA

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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.

A Case Report

*By Donald M. Cunningham, D.D.S. and Roland W. Dykema, D.D.S.,
Crown and Bridge Department*

The patient, age about thirty-five, was first seen by the authors in 1955. In 1944 he suffered a war injury which caused the loss of all teeth except the maxillary right second molar, the maxillary left first bicuspid, second bicuspid and first molar and the mandibular right cuspid, first bicuspid and second bicuspid. There was also severe bone and soft tissue damage in the regions of the mandible and pre-maxilla.

The patient underwent several years of intermittent treatment during which time a bone graft replaced in part the body of the left side of the mandible and plastic surgery restored tissue contour to some extent.

At the time of examination (August, 1955) the following conditions presented: The mandibular right cuspid was non-vital with a fistula presenting labially. There was extensive caries in all remaining teeth. Supporting structure was reduced about 30% and there was some blunting of the apices of the remaining teeth. The patient was wearing ill fitting appliances that were causing considerable soft tissue inflammation as well as aiding and abetting the carious lesions in the remaining teeth.

Mouth preparation prior to the construction of the removable appliances consisted of root canal therapy on lower right cuspid, exavation of the caries from remaining teeth and restoration in amalgam prior to full crown preparation and then construction of full crowns for all remaining teeth.

The mouth preparation was accomplished in the following manner. Prepara-

tion of the seven remaining teeth were made using diamond stones running under a water spray. Two hydrocolloid impressions were taken of each arch. One of the resulting models was sectioned for dies and the other left intact for the purpose of surveying the wax patterns for the crowns. The wax patterns were very carefully surveyed to produce parallel surfaces to be contacted by the rigid portions of the framework, thereby eliminating interference, and also the patterns were surveyed to produce the desirable amount of under-

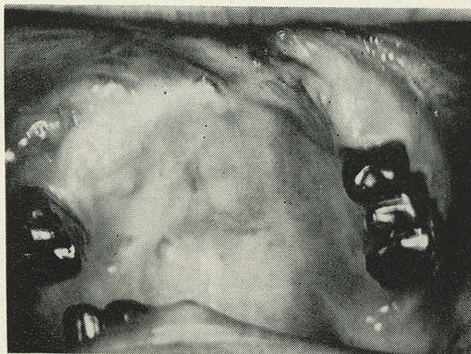


Figure 1

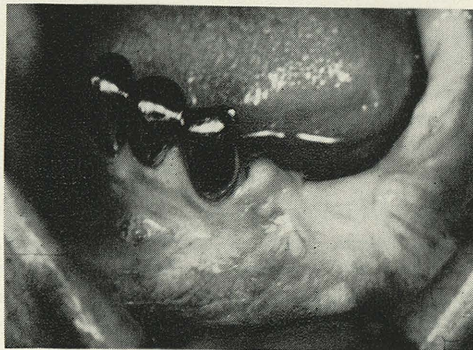


Figure 2

cut in the best location for retention of the appliances. The three crowns on the upper left, as well as the three crowns on the lower right, were soldered together thereby splinting the abutment for maximum support. Fig. 1 and Fig. 2 show the upper and lower arch, respectively, following mouth preparation.

The impressions for the master models, from which were constructed the frameworks and bases, were taken in specially made perforated acrylic trays with alginate impression material. The design of the framework is shown in Fig. 3 and Fig. 4.

Plastic teeth were used. The design and contour of the bases were made as shown in Fig. 4 so as to restore as far as it was possible the normal contour of the face.

Fig. 5, and Fig. 6, show the finished appliances in the mouth.

Fig. 7 shows the patient after completion of the case.

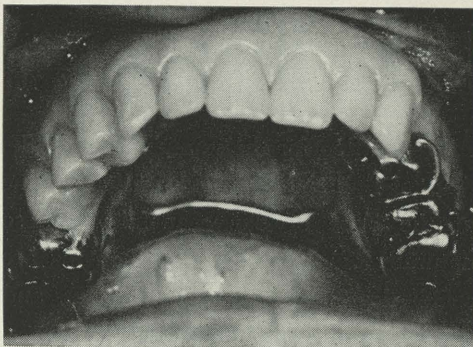


Figure 5

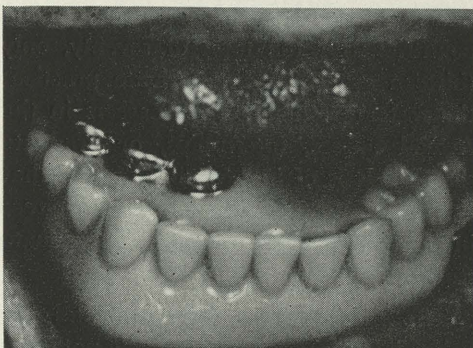


Figure 6

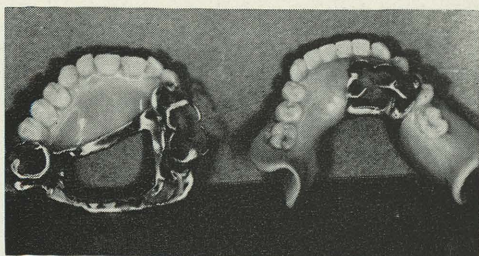


Figure 3

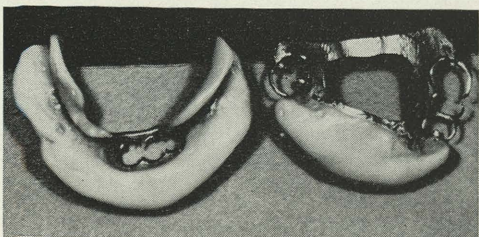


Figure 4

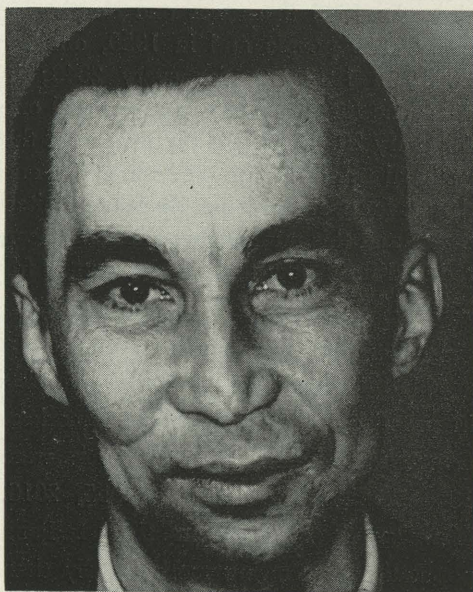


Figure 7

Dean Hine reports that...

Preparation for the summer issue of the Alumni Bulletin must necessarily be done at the close of our academic year so naturally our activities and thoughts are centered around the graduating class and the incoming freshman class.

This year a total of seventy are completing their dental course. Incidentally, forty-one of the seventy seniors have an A.B. or B.S. degree, one has a Master's degree, and five have dental degrees from foreign countries. Of the total of seventy, only thirteen are going into private practice; the rest are scheduled for careers in the Armed Forces, internships, or graduate schools. It is of interest to note also that this year four Master of Science degrees in Dentistry are being awarded to graduate students.

The fact that so few graduates are going into private practice will not help Indiana's poor ratio of people to dentist.

In Indiana now there are 2032 people for each dentist, according to figures just released by the American Dental Association. In 1940 there was one dentist for every 1896 people and in 1950, one for 2008; in 1953 one for every 2048; in 1954 one for every 2050 and in 1955 one for every 2032. This is the reverse of the national trend, for in 1940 there was one dentist for every 1878 people in the United States and this number has gradually been reduced until now there is one dentist for every 1667.

During this time Indiana has had a gradual increase in the number of dentists in practice. According to the American Dental Association, in 1940 there were 1808 dentists listed and in 1955, 2016. However, it is apparent that Indiana population is growing more rapidly than the number of Indiana dentists.

In the states bordering Indiana the ratio is as follows:

Illinois—1 dentist for every 1484

Michigan—1 dentist for every 1957

Ohio—1 dentist for every 1913

Kentucky—1 dentist for every 2889

Thus Indiana has fewer dentists per population of all of the states in this area excepting Kentucky. In New York state there is one dentist for every 1127 people while in South Carolina there was one dentist for every 4886. The average for the central part of the United States was one dentist for every 1683. This includes the states of Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio and Wisconsin.

The demand for dentists by communities in Indiana was greater this year than for many years. There are many smaller communities in the state that have no dentist and the people in those communities are forced to go some distance for dental treatment or struggle along without dental treatments. The demand for dental services in Indiana remains high because the economic status in this state is good.

There are also more applicants to the dental school this year from Indiana than we can possibly accept. The Admissions Committee are again embarrassed by the fact that there are capable young men in Indiana who have met all the requirements for dental school but who cannot be admitted because there is no space for them. Plans to expand the dental school building to make it possible to accept more dental students are now being made and it is hoped that the next legislature will make it possible to begin

contruction of a wing for the present building.

The present building was built in 1934 to accommodate classes of 50. Since that time, remodeling, using halls for waiting rooms, etc., has made it possible to increase the number to 68 per class, accommodate a dental hygiene program of 24 students per class, enroll over 30 graduate and postgraduate students who are training to become specialists, and carry on an active dental research program.

Incidently, funds for most of the research work come from commercial concerns and federal agencies. The present program cannot be expanded further until a new addition is built.

I wish to report also that next year we will offer the following one day symposia for all who are interested:

1956 November 7 Symposium on

(Continued on page 29)



Dean Hine and Capt. C. W. Schantz at the Naval Dental School, Bethesda, Md. Dr. Hine has lectured to this group on numerous occasions.

Library

Mrs. Mabel Walker, Librarian

In June 1941, during the deanship of Dr. W. H. Crawford, who sponsored the project, a collection of books of a cultural nature was established in the library. Among the first selections were CHAUCER'S Canterbury Tales, NICHOLSON'S The Hoosiers, RILEY'S Complete poetical works, SANDBURG'S Abraham Lincoln, complete sets of the AMERICAN STATESMEN SERIES, DICKENS, HARVARD CLASSICS, HOLMES, SHAKESPEARE, TOLSTOI, and TWAIN. By additions made intermittently in the past fifteen years the collection now contains almost 500 volumes. About 50 volumes of this number are fiction, many of which have been gifts from the school staff. A sizable number of volumes on Indiana history are included. Among these is the complete set published by the Indiana Historical Society.

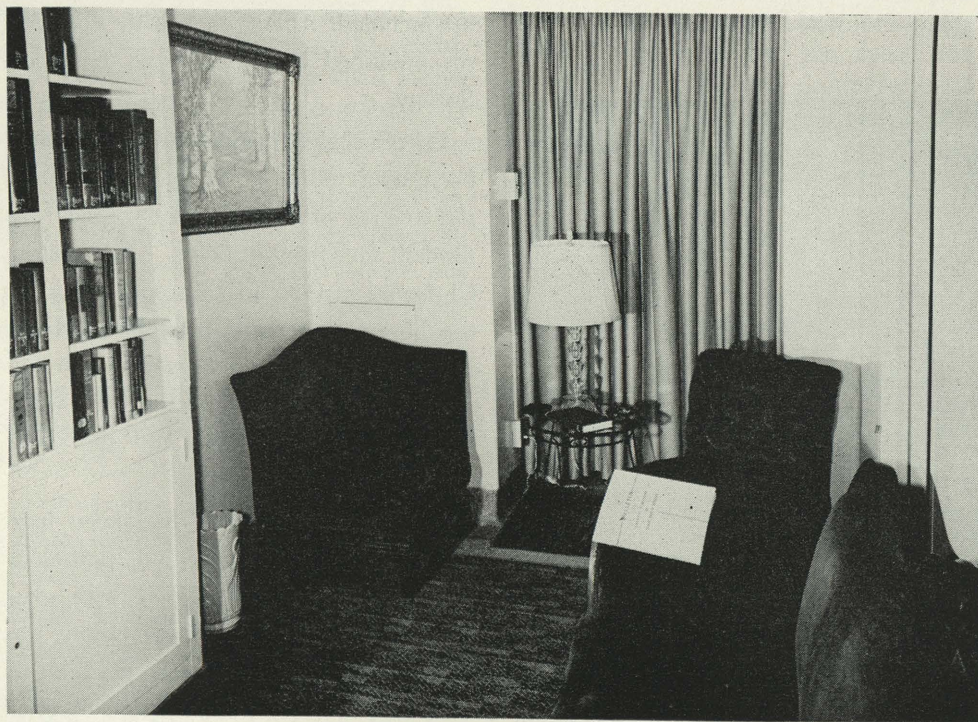
Fifteen shelves in the reading room had been used to house this collection until the summer of 1955, when the space was needed for reserve books. Just before Christmas in 1955 a small room adjoining the library was made available and the collection, which had been filed on top of book shelves and on one of the reading tables, was moved there and the room called the Browsing Room.

As this space formerly had been used in connection with the old pathology laboratory, shelving equipped with glass doors above and cabinet space below, was immediately available. The glass doors were removed, the cabinet space retained for supply storage and after minor repairs,

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Northeast corner of the Browsing Room



South end of the Browsing Room

Annual Alumni Program

I.U. CAMPUS, BLOOMINGTON

Friday, November 2, 1956

- 10:00 A.M. Indiana Unit, American Society of Dentistry for Children
- 12:00 Noon Ladies Luncheon
Program: Education demonstration by the General Electric Company
Subject: *The Use of High-frequency Cooking*
- 12:00 Noon Athletic Luncheon
Speaker: Frank E. Allen, Director of Athletics, Indiana University
Subject: *Future Expansion of the Indiana University Athletic Plant*
- 2:00 P.M. Combined Session—Wives and Members—Alumni Hall
Speaker: A person of unusual interest, speaking on a nondental subject is planned for this part of the program
Concert: *The Belles of Indiana*
We are indeed fortunate to have this choral group of world renown on our program this year
- 4:00 P.M. Annual Business Meeting
- 5:30 P.M. Reception Honoring President Herman B Wells
- 6:00 P.M. Annual Dinner—Alumni Hall
Speaker: Mr. Clarence N. Walker, Atlanta, Georgia
Subject: *Public Relations Is Your Business*
- 8:15 P.M. Variety Stage Show—Alumni Hall
It is anticipated that this innovation for the annual meeting program will have great appeal for the audience

Saturday, November 3, 1956

- 9:00 A.M. Indiana University Movie
- 9:30-11:45 A.M. Scientific Session
Two out of the state lecturers who are authorities in their fields will constitute this session
- 10:00 A.M. Entertainment for the ladies
- 11:45 A.M. Pre-football Game Luncheon-Alumni Hall
- 1:30 P.M. Football Game—Marquette University—Indiana University

GRADUATING CLASS



Front Row: Jerrold Baker, Jon Herrold, Louis D'Angelo, John Cherney, James Hall, Wilbur Dremstedt, Paul Cleeter, Antoine Hannouche, Gerald Glass.
 Second Row: Charles Bridenhager, Robert Barnett, Donald Johnson, George Batcho, Ray Egli, Paul Bunch, Richard Notter, Emanuel Dragomer, James Christian, Norris Lovan, Russell James, John Ames.
 Third Row: Eugene Gore, George Jancosek, Robert Callis, John Austin, David Ferguson, Robert R. Clark, Karl Glander, Robert J. Clark, Wentzel Owens, Fred Fillmore, John Koby, Richard Henderson.



OF 1956

Front Row: Ellis Shackelford, George Robinson, David Lehman, Dwaine Love, David N. Roberts, John Mink, Young Lee, James Board, Obrey Phipps, William Rogers.
 Second Row: James Sterrett, Gene Frayar, John Morfas, Rafael Nadal, Donnell Marlin, Richard McDowell, John Matthews.
 Third Row: Carrol Wade, Jack Leer, Edgar Fiedler, Robert Lackey, Richard Newton, Donald Stroud, Thomas Sevier, Wayne Alley, James Pittman, Alva Miller, Juan Font, John Williams, Ronald Melser, Carl Overpeck, Mark Kilty, Nestor Ramirez.
 Not in Picture: Marvin Bernstein, James Hueston, Vernon Martin, Carl McKee.

Senior Awards

The annual Senior Honor Day Program was held May 17 in the Student Union Building. Dean M. K. Hine presided and introduced the faculty members who presented the various honors.

The C. V. Mosby awards for outstanding work in certain fields were as follows:

Hygienists—Phyllis E. Wolf

Dental Materials—Robert J. Clark

Oral Diagnosis—Richard L. Notter

Oral Surgery—John R. Mink

Radiology—Emanuel N. Dragomer

The cash prize and subscription to the Journal of Oral Surgery were received by Marvin Bernstein, and James P. Bunch was awarded the certificate for proficiency in Dental Medicine. Miss Ackerman presented an award to Miss Judith Patterson as the dental hygienist who showed

greatest proficiency in clinical practice during her senior year.

The Certificate of Merit from the American Society of Dentistry for Children was won by John L. Ames and John R. Mink. Ellis M. Shackelford received a plaque and cash from the Hamilton Discussion Club for outstanding work in the field of Crown and Bridge while the Robert A. Botkin Award in that area was presented to Gerald K. Glass. The plaque presented from the National Chapter of Alpha Omega Fraternity to the student earning an outstanding scholastic record for four years of dental study was won by David Lehman. Mr. John Cherney was awarded a year's subscription to the Journal of Periodontology for his work in this area.

The cash award for the best essay on

(Continued on page 27)



New members of Omicron Kappa Upsilon. Left to right, first row: Dr. John F. Johnston, President of Theta Theta Chapter, Emanuel Dragomer, James Pittman, Robert Barnett, David Lehman. Second row: Ellis Shackelford, John Mink, Gerald Glass, Donald Johnson.

Dental Hygiene

A. Rebekah Fisk, Director

I had all good intentions of catching up on the news of our graduates during the state meeting but due to a family emergency my attendance was limited to a few hours a day and I did not have an opportunity to talk to anyone.

It was good to see so many of you attending the luncheon and to know that you are supporting your state and national organization. The members of the 1952 class were back 100% and there was a goodly number from the other classes there too.

It is customary for each class to hold a reunion every five years and to celebrate with some special event. Beginning with 1957 we will have a class in reunion every year and by 1962 two classes every year and so on. Start planning now for your reunion.

This is the season of the year when everything at school is in a state of chaos. All of the seniors are busy getting in their final requirements, attending state board reviews, and trying to decide whether to accept one of the fine offers of a position in this state or to take another board and see something of the world beyond.

At present time we know that the following will be working in Indianapolis:

Janice Fay Clinton	Dr. Lyle E. Gant
Jean Ann Hansen	Dr. Gordon F. Abbott
Barbara Jean Jones	Dr. Charles V. Jetter
Judith Ann Patterson	Dr. Jack D. Carr and Dr. Betty Koss
Pricilla Ellen Robards ..	Dental Study Clinic Indiana University School of Dentistry
Catherine Ann Silvey ..	Dr. Irving R. Rutkin
Phyllis Elaine Wolf	Dr. William Crawford and Assistant Clinical Supervisor, Indiana University School of Dentistry

Three of the group will join their husbands who are on duty with the armed forces and hope to have an opportunity to practice their profession on the base. Delores Ent Abbett will go to Hickam Air Force Base, Honolulu, Hawaii, Jane McWethy Sharp to Fort Lewis, Washington and Aleda Sevier to Shephard's Air Force Base, Texas.

Mary Gwen Greenlee and Marilyn Rose Kirchenbauer are planning to take the Colorado board and may decide to stay in that state for awhile. Betty Jane Jester may take the California board for future reference but will work in Indiana for the time being. She is going to Lafayette with Dr. Dale Harvey and Dr. Harold Dick.

Others who have accepted positions are Lou Ann Ewigleben with Dr. Irving Weinraub in Fort Wayne; Betty Jo Knafel with Drs. Lowell and Walter Grant, Columbia City; Janice Lee Mallory with Drs. James and John Bryan, Evansville. Virginia Gibson will devote most of her time to raising Scott but may take a part-time position in the fall.

The new officers of the Dental Hygienists Alumnae Association of Indiana University School of Dentistry are: Carla Totten, '55, President; Mary Louise Dreher, '52, Vice President; Gloria Horn Huxoll, '52, Secretary-Treasurer.

Please keep us informed of changes of address and any other news of interest.

The History and Development of the Orthodontia Department at Indiana University

By R. C. Boyd, R. E. Fisher, G. Kuzmic, G. O. Sagraves

NOTE: This is the second in a series of articles, written by members of the 1954 freshman class, on the history of various departments.

Most pioneers are unaware of the contribution they are making when they are willing to help establish a "beginning." In being unable to foresee the personal success, which later proves them pioneers, they usually do not acknowledge the fact that pioneering is a challenge for only the brilliant, the unselfish, and the brave.

The modesty which frequently characterizes this type individual is made evident in a letter received from one of the distinguished men who helped pioneer in the development of the Orthodontia Department at Indiana University. As a preface to some of the helpful information he provided, he wrote: "... I do not see how the history of those pioneer days can be of much interest to youngsters of today who came into the profession since it really became a profession."¹

It is because of the deliberate and selfless desire on the part of this man, and men like him, to bring about a worthwhile procedure for others to follow, that a Department of Orthodontia was eventually established.

In order to understand the present and plan for the future, it is essential to understand the past; therefore, the purpose of this paper is to outline, in some detail, the history and the development of the Department of Orthodontia at Indiana University.

It is difficult, indeed, for a dentist entering the profession today, with patients available and excellent fees for his work, to appreciate the situation faced by the new practitioner shortly before the turn of the century. The late 1800's found

most general practitioners with considerable spare time on their hands; and, among their clientele, there were many children who were victims of malocclusion. So, it was only natural that a general practitioner would undertake treatment of such cases.

During this same period, a brilliant young dentist, Dr. Alex Jameson, already known for his professional curiosity and natural inventive genius, found orthodontia an intriguing aspect of dentistry. Along with his general practice, young Jameson was teaching at the Indiana Dental College, where he was giving men four or five periods of instruction in "Oral Deformities."² Most of this instruction concerned the technique of making some German silver appliances, which students mounted on plaster models. Remote as this might now seem from today's specialized instruction in orthodontia, it was perhaps the first step toward the development of formal orthodontic training at Indiana University.

Dr. Jameson was later credited with having invented the first machine used in casting inlays by centrifugal force.

In 1902, another young pioneer entered the field of orthodontia. Dr. Charles R. Jackson, who had studied under Dr. Jameson at Indiana, became associated with the teaching staff of the Indiana Dental College shortly after his graduation. He divided his time between college teaching and the private practice of dentistry. At this time, there were several orthodontic cases being treated in the college clinic, but not very satisfactorily. The clinical staff was not too interested in orthodontia and was very glad to find the opportunity to shift the responsibility to the new staff

member. Dr. Jackson admits he knew comparatively little then about orthodontia and had not the slightest intention of making it his life's work. However, he did have a strong desire to increase his knowledge of all branches of dentistry. Consequently, he willingly accepted the work; and, soon, by common consent, all orthodontic cases coming to the clinic were referred to Dr. Jackson. He became intensely interested and proceeded to read all the books, brochures, and current literature available on the subject. He also began a few cases in private practice.

Orthodontia has always been a difficult subject to teach; and, at this time, it seemed to be particularly unpopular and difficult. However, in the summer of 1904, Dr. Jackson was asked by the dean and trustees to add to his teaching duties the teaching of orthodontics. He was excused from all college work during the summer with the understanding that he would use the time to outline a lecture course for the following year. His accomplishments served as a basis for the 80-hour orthodontic course which was eventually developed. The technics in this branch were completed in the junior year so that students, in their senior year, could undertake work on patients.³

The following summer Dr. Jackson spent four months in St. Louis attending the International School of Orthodontia. By this time, he had definitely decided to specialize in orthodontics; and he was enthusiastically encouraged to do so by friends in the profession. As a result, he gave up a successful private practice and attained the distinction of becoming the "... first dentist in Indiana to limit his practice to a speciality of dentistry."⁴ Near the end of 1907, he had begun the exclusive practice of orthodontics; and thus, another esteemed pioneer accepted an important roll in the history and development of orthodontia.

Dr. Jackson became affiliated with the

American Society of Orthodontics in 1909. At that time, this society had a membership of approximately fifty, which included practically all the orthodontists in the United States and Canada. Each member was required to be in exclusive practice.

In general, the early problems in the development of orthodontia were similar to those experienced by others entering any virgin field of practice in any specialty. However, Dr. Jackson maintains two important differences were experienced: "First, after performing most operations in dentistry and other specialities, the operator knows within a short time, possibly a few hours, whether the operation was a success, how much time it required, the fee necessary to be charged, etc. In orthodontics, none of these things are known for months. As a result, the early specialists in orthodontics were required to give answers to these questions before beginning treatment, without proper experience or information. Most of the early specialists, therefore, found their first year in practice unremunerative. Second, the orthodontic specialist had to overcome the prejudice against treatment engendered by the hundreds of failures during the days the general practitioner was treating cases. The specialist had to re-educate both the dentist and the patient as to the benefits resulting from proper correction before satisfactory relations were established."⁵

The important thing stressed in early days was the appliance used to apply force, and each dentist attempting treatment became somewhat of an inventor of his own appliance. It was not until the entrance of Dr. Edward H. Angle into the science of orthodontia that appliances began to be standardized and the type of appliance gradually and progressively improved. Dr. Angle was the first man

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Alumni Notes

Mrs. Cleona Harvey, Recorder

It doesn't seem possible that it has been six months since we sent greetings to you all via this column. But here we come again with the good news that it has been a pleasant Spring with many meetings of various dental groups, post-graduate programs, the same routine of final examinations, senior papers to be handed in, and the Honor Program which always highlights the end of another academic year. Another class is leaving and as usual it is "the best class yet"!

The Indiana State Dental Association Meeting is now history and we are pleased to add to our Guest Book the names of Dr. H. E. Matlack, Salisbury, Maryland, '46; Dr. Sidney Schwimer, Pittsburgh, Pennsylvania, '51; Dr. Robert Fleishman, Brooklyn, New York, '51; Dr. Frank L. Loskot, Glen Ridge, New Jersey, '36; Dr. Carlton T. Cook, South Bend, Indiana, '54; Dr. R. H. Anderson, Hollywood, Florida, '44; Dr. Joseph A. McGrath, P. O. Box 39, West Haven, Connecticut, '11. Dr. Howard Maesaka, Wahiawa, Hawaii, '26, who was here to attend the Dental Meeting as well as the reunion of his class, was in the office and brought us gifts from the Paradise of the Pacific. In all the excitement of seeing ripe pineapple we quite forgot to have him sign his name although he showed us a pen about three times the size of a normal one which he had brought back from the Orient. He brought Mrs. Maesaka with him and it was her first visit to the Mainland; we do hope they enjoyed their stay here.

We heard that there were graduates from here from all over and that the meeting was the best ever. It is always good to have the "boys" come back and visit us and we appreciate seeing them. It is also good to hear from you all and

we shall get on with the news which begins with the

Class of 1892

We have had several interesting notes from Dr. Archie Powell, 1948 Lundy Avenue, Pasadena 6, California. He is one person who really reads the Alumni Bulletin and he was quick to write that he and Dr. White were graduated in 1892 one year earlier than Dr. Driscoll. You will recall we reported on Dr. Driscoll's activities in the January, 1956, Bulletin.

Both Doctors Powell and White are 87 years of age and Doctor Powell asks "how come Dr. Driscoll enrolled at age 16" as he thought the 1892 school law required age 21. But he adds "we are enjoying all of it. But White and Archie are here in person to prove each 87 + years". No doubt Dr. Driscoll will answer this question.

Then I must report that Dr. Powell made a very elaborate display for the dental museum and sent it to Dean Hine. It was a real masterpiece and the Dean was pleased to have it and hopes to have it available for all to see when our dental museum becomes a reality. Dr. Powell in writing about it said "Weeks ago I started building a museum exhibit of my early technique in my profession. My wife applauds my act . . . but, asks if I regret to yield them up. I do. But the compensation is, that the boys of today can see how old time dentists and ancient dental plates looked. And they can count their blessings. Truly our work in the 19th century was a grind. Yes, real grind with foot treadle lathe on gum sections. At

\$10 a plate—oh yes, free extractions as a prize to get a patient!”

Dr. Powell and his wife were in an accident in December, 1955, and were pretty badly shaken up but a note from him in March stated they were slowly recovering.

I know you will also want to hear what Dr. White had to say. “The January Bulletin most interesting and instructive. I hasten, however, to put C. D. Driscoll straight. A. Archie Powell and I are still on the go—Class of 1892. Arch retired some years ago, but is still on the move. Drove his own car down to see me the other day. We had a nice visit as usual. I am still practicing and should I live till next March 1, I will start my 65th year. I have no record of the other 1892 graduates. Driscoll, I believe was in our class during the freshman year, but was out a year. Am I right? Keep the Bulletin at its high standard. Greetings to everybody.”

We received a clipping from the Pasadena Star News dated March 5, 1956, with a very good picture of Dr. White in his office and the news release reads as follows: “Sixty-five years in the practice of dentistry—46 of them in Pasadena—are being celebrated this year by Dr. Arthur T. White. Dr. White, who will be 87 in August, has had his office since 1910 in the Parkway Building, Arroyo Parkway and Colorado. He was graduated from the University of Indiana with the dental class of 1892 and practiced for 18 years in his home state before forsaking Hoosierland for here. In 1907 he was named president of the Indiana State Dental Association. Dr. White has been ‘married to the same wife for 59 years’, and the couple has outlived a son and daughter. They have two grandsons in their early ‘30’s who have followed the engineering professions. ‘I don’t work as hard as I used to Dr. White conceded’ but I still

do a good day’s work.’” We wish to send our congratulations to Dr. White on such a wonderful record.

Before we leave the class of 1892 we wish to thank Doctors Powell and White for their interest. We do enjoy their comments.

Class of 1906

Since 1956 marks the 50th anniversary of the Class of 1906 we decided to give you some special information about that class. As you will note many are deceased. Of the 7 members of the class whose address we had we have heard from only 3. If you have any information about any of these men we hope you will write us. The list of the graduates of the Class of 1906 follows:

William Curtis Ballou
Deceased

William Hugh Barnfield
Address unknown

Walter Lee Clark
Pennville, Indiana

Canova O. Clemmer
Address unknown

Harry Downey Cofield
608 Bankers Trust Building
Indianapolis, Indiana
*(I have practiced in Indianapolis
since my graduation in 1906)*

Charles Chester Ferguson
1910 Robbins Place
Austin, Texas
(did not answer our letter)

Albert T. Funkhouser
Deceased

Jacob Goldman
Deceased

(Continued on next page)

Fred L. Gravis
Deceased

Charles H. Green
Deceased

Harry Albert Kelsey
115½ W. Mulberry
Kokomo, Indiana
(did not answer our letter)

Herman Burtman Ketcham
Deceased

John D. Kirkpatrick
Deceased

Harry Stephen Lamb
1431 N. W. 34th Street
Oklahoma City, Oklahoma
(Have been here since 1908. Am
now partially retired)

John C. Lavengood
Deceased

Homer W. Marxmiller
Deceased

James McClain
Deceased

Agnes O. Miller
Address unknown

Howard Riley Raper
1516 East Silver Avenue
Albuquerque, New Mexico

Alex Clinton Ross
Deceased

Charles Taggart
Address unknown

C. W. Witter
Deceased

Class of 1926

We received a note from Dr. James L. Tilton informing us his new office address is 518 Fifth Street, Columbus, Indiana. We appreciate his thoughtfulness as it is

very difficult to keep our files straight and any help you all can give us will insure the correct delivery of messages from I.U.S.D. to you.

Class of 1929

Dr. S. H. Wilkes informs us his new office address is 726 7th Street, Columbus, Indiana.

Class of 1935

Dr. Donal H. Draper's new address is 5870 Sunset Lane, Indianapolis 8, Indiana.

Class of 1939

Dr. John L. Campbell's new address is U.S. Army Hospital, Fort Campbell, Kentucky. Dr. Campbell is a Lt. Col.

Class of 1942

Dr. Samuel D. Kane, 56 Blodgett Avenue, Swampscott, Massachusetts, wrote us in April, "I have just returned from sunny Florida and am answering my mail before I lose my tan. I saw Dr. Melvin Klotz (graduate 1943) and he is doing very well—nice home, lovely family (2 children) and in excellent practice. As for me, I am married to a lovely girl named Charlotte and have two children, Jeffrey 8½ years old and Lou Ann 5 years old. We also have a Chihuahua dog whom we call Bambi and after a hearty meal he weighs four pounds! I am a post-graduate student at Tufts College Dental School and am studying periodontia. I am very much interested in the periodontal field and am devoting half of my practice to periodontia. Although I am very well situated here in New England I hope to pass my Florida board and practice in a warmer climate."

Class of 1944

Dr. J. A. Beck (Major as of April 1953) informed us in his letter written in March of this year that "at no time have I ever been at the address you have on file for me." This give us quite a turn but when he reviewed his travels we felt better. He entered the Service in 1951 from Valparaiso and was assigned to Scott Air Force Base, Illinois, as a captain. His next base was Feamcon, Japan, where he did mostly crown and bridge and other prosthetic work. There he met Ernie James, Art Mullin, Tom Esmon and a few other Indiana University School of Dentistry grads. He spent an enjoyable three years there and then returned to Scott Air Force Base and then out to California, where he is the prosthetic officer running the dental laboratory and with one other doctor does most of the Base prosthetic and crown and bridge work. His tentative plans are to practice in California beginning in January, 1957. Incidentally, Major Beck's addresses are as follows: Home—137 Valle Vista, Danville, California; Military—3275 U.S.A.F. Hospital, Parks Air Force Base, California. There—we hope that for once we have the address right and we are grateful for this letter giving us the latest concerning Dr. Beck.

Class of 1946

Dean Hine received a long letter from Dr. Manuel Garcia Fortuno, who said among other things, "I imagine that Drs. Boyd, Gregory and Healey, who were our last visitors, have informed you about the progress in the island and how we graduates from Indiana are doing. It was a great experience to have these three gentlemen at the last two meetings of our dental society. I should add with great pride that it is already an established tradition to have the outstanding lectures at our

annual meetings delivered by men coming from the Indiana faculty. . . .

I received a very kind letter from Dr. Charles Howell inviting me to the reunion of the 1946 Class. It would be a very enjoyable experience to go back to the dear school and shake hands with all the classmates after ten years of separation. I am looking forward to it but, the time of the meeting is in conflict with the date already set for the Reserve Summer Camp, and being myself the only dentist in the unit, I see very little chance to be excused from the duty. Nevertheless, if it turns impossible for me to make the visit this time, I shall do it on the first opportunity I have to visit the Mainland. Best of wishes to all friends in the school."

Class of 1946

A note from Dr. Starr, who has been with us for a while working on his Master's degree in Orthodontia. "Just a short note to say hello. My practice is coming along very nicely and it has been good to return to the sunshine again, although we had two weeks this winter in which I was colder here than at any time I was up there. My family has enjoyed getting back to Florida also, and I think they appreciate our living quarters here after two years in Winona Village. . . . I haven't seen many Hoosier faces this winter. Have seen Frank Denny twice and he looks fine and is working some now. Looks like he could run for a second term also. Kindest regards to all."

Class of 1947

We have the pleasure of a brief visit with Dr. Marvin Tuckman in April when he took the specialty board in Periodontia which was given at Indiana University School of Dentistry. When he returned home he wrote Dean Hine as follows:

(Continued on next page)

"I am happy to report that I am now certified by the American Board of Periodontology. I must say that it is the most exciting thing to happen to me since the start of my practice and I am very much 'up in the clouds'. It certainly was a thrill to get back to Indiana and to see everyone again. I'll have to do it more often—and strictly for pleasure. It was very odd to find myself running around the third floor clinic in a gown getting my work checked and wondering if I would make the grade. It was hard to realize that nine years had passed by.

Now that I'm back home, I'm in the midst of an office expansion program. I'm adding another operating room to my office and increasing the total area by 100%. This Friday I'm slated to speak to the P.G. students at N.Y.U. on occlusal equilibration. My procedure is somewhat more conservative than theirs and it is hoped that the interjection of some ideas that differ from the N.Y.U. approach will be provocative. In two weeks I'm to speak to our hospital dental staff on some phase of periodontia, but I haven't selected my subject as yet. Fortunately I have a fairly good Kodachrome collection so it should be fairly easy.

On the political scene: My wife will be installed this Thursday as President of the Ladies Auxiliary to the Passaic County Dental Society, thus becoming the third person to head this relatively new organization.

I'm running unopposed as candidate for treasurer of the Passaic County Dental Society. Since this is the traditional stepping stone office, if all goes well I should be president in 1961 . . . I'll also be treasurer of the Passaic-Bergen Alumni Chapter of Alpha Omega, and I've just been named as periodontal consultant to the Passaic County Cerebral Palsy Treatment Center.

I want to thank you and everyone else

who made my visit to I.U. a happy occasion."

Class of 1948

Too late for the January bulletin we received a very welcome card from Dr. Calvin Christensen, 2035 E. 18th Street, Bremerton, Washington. As most of you know Dr. Christensen is recuperating from an attack of polio and will rejoice with me at this information, "After a busy 4 months of physical therapy my improvement has been such that I have set March 1 as the date for my return to practice. I didn't realize I'd miss it so much! Thanks for the cards during my illness." We haven't heard any further word from Dr. Christensen but certainly hope he continues to improve and all is well with him.

Class of 1949

Dr. Hayward G. Flickner announces his return to the practice of general dentistry following military service—offices at 1656 Lincoln Avenue, Evansville, Indiana.

Dr. Darwin M. Reed wishes to announce that he is entering the practice of general dentistry with Dr. J. J. O'Loughlin at 132 Boston Post Road, Waterford, Connecticut.

Class of 1950

Just a brief note from Dr. Robert D. Youmans, 1208 Bullion Boulevard, Fort Knox, Kentucky. 'The Army has enrolled me in the Graduate School of the University of Pennsylvania for the coming school year for postgraduate study in the basic sciences as related to Oral Surgery. This will be followed by a 2 year residency in Oral Surgery at an Army General Hospital. I have every intention of becoming Board Certified upon completion of this training. Needless to say, I am very pleased at this opportunity afforded me.

Oral Surgery was always the most interesting subject during dental school and my practice has been limited to that during my 6 years in the Army. It's mighty nice to know that I'll become even better qualified in the future. I am making plans to attend the State Dental Meeting and I hope to see you there."

Class of 1952

Dr. Johnston received a good letter from Dr. Harold Glasser dated April 29, and he let me extract some of it for your benefit: "My orders arrived early this month. I asked for and received an assignment to Naval Dental School, Bethesda. It will be a September-June general post-graduate course, supposedly bringing me up to date on whatever advanced have been made in the past 4 years. We expect to fly out of here by late August . . . In May I am going to Bogota, Cartagena, Barranquilla (all in Colombia) to work on U.S. Naval Mission personnel in those cities. From Cartagena I'll fly to Caracas, Venezuela—by the time I return the better part of May will have passed so we Glassers will be short-timers. This tour should be a pleasant break from the Colo Solo routine—a little change of scenery . . . we are all well—hope to visit Indiana in 1957."

Dr. Carl H. Shoemaker's address is 9219 North New England, Morton Grove, Illinois. He is associated with Doctors Elliott and Benson at Edgebrook in Chicago.

Captain and Mrs. Alvin Grayson announces the birth of their son Jon Michael, born April 15, 1956.

Class of 1953

Dr. William Meek announces a change of address from 5730 East Washington to 4460 North Sherman Drive, Indianapolis, Indiana.

Class of 1954

Dr. John D. Brannan, 506 West Victoria, San Clemente, California, sent us a note recently in which he said, "I am now with the U.S. Navy at the Marines' Camp Pendleton. I was in Korea with the 1st Marine Division and am now finishing the two year service tour here at Camp Pendleton. This is Dr. Healey's old stamping grounds. When I am released from the Navy in July, my wife and I intend to return to and locate somewhere in Indiana."

Dr. Carlton T. Cook, 3610 Oak Crest Drive, South Bend, Indiana (we think this is his home address as we understand he is practicing in Elkhart—correct me please if I am wrong, Dr. Cook), send us a card in April, "Just a line to let you know that our fourth child was born April 4. Jeffrey Alan is our third son and we're all enjoying him! We are planning to attend the May convention and should see you then." And we are happy to report he did come in and he looks fine. With all of the activities going on during the May Meeting I completely forgot to check with him about the differences in address.

Dr. Allan D. Witters sent us a note that his address is now 517 S. Grinell, Tucson, Arizona.

In April we were informed that Dr. Owens Miller had been promoted to Captain. He has been stationed at the Brooklyn Army Terminal as a dentist since June 1955. He and Mrs. Miller make their home at 425 Battery Avenue, Brooklyn, New York.

Class of 1955

From Dr. F. J. Dettman, "For your records and for mailing purposes would you kindly list the following address:

(Continued on next page)

Crescent Building, Room 108, Ft. Myers, Florida. I am looking forward to the next copy of the Alumni Bulletin and of course any other pertinent information from the dental materials department. I will see that 'you all' get a letter shortly."

We enjoyed a note from Dr. Charles Infante, who is, incidentally, taking state boards just all over! He said, "I enjoyed receiving the last issues of the Alumni magazine." That we took care to quote exactly! He went on to say they had a very enjoyable year in Washington and were planning to go to Louisville next year. He reported that Dr. Kimche has begun his practice in D.C., and is doing well. He had seen Dr. A. Karpinski a couple of times as he is currently stationed at the Coast Guard Station in Baltimore. Norman Glassman had stopped to see them when he visited Washington from Moody Air Base, Georgia. Thanks for all the good news, Dr. Infante, and do write again.

Dr. Peter Keck announces the opening of his office for the general practice of dentistry at 219 North Jackson, Crown Point, Indiana.

Dr. Robert Percival, 1415 Fleming, Fort Sill, Oklahoma, wrote us in May and said, "Would have been in to see you this week but I couldn't get away from Fort Sill. My little boy got sick. I wanted to say 'hello' and to ask you to send me the Dental School Alumni Bulletin to me down here. Sure would appreciate getting it. Also a couple of back copies, especially the one in which Darrell Hollingsworth had an article". We were more than happy to send the back copies and pleased again to note people read this column!

Miss Hannah received a letter from Dr. W. E. Stucker and she gave it to me to extract some news for you all about him. Among other things he said he wished to have some addresses so we might give his

and it is 412 Baltimore, Madison, Indiana, and he added, "I have my office here in Madison and, by my standards at least, I'm doing very fine. My wife and three children are very happy in our very first really 'settled state of affairs' since we were married. In addition to my private practice I'm on the staff of the Madison State Hospital and work there every Friday afternoon and on an emergency basis at other times."

Listed below are the addresses of the Class of 1934. As usual we sent out questionnaires to the members of the class and these data are the result of their answers. An asterisk before the name indicate we did not receive an answer to our letter. If you know of the address of those for whom we have no address, we shall appreciate hearing from you. We shall also welcome corrections, etc.

And now for the

Class of 1934

Ambrose, Ralph Clifton
608 Anderson Bank Building
Anderson, Indiana

*Bardowski, Alex Eugene
790 Broadway
Gary, Indiana

Barr, Seymon Louis
1160 West 3rd Street
Dayton, Ohio

*Beaver, Horace
521 Highland Place
Indianapolis, Indiana

*Border, Samuel Lewellen
Monon, Indiana

Boyd, Drexell Allen
1121 West Michigan Street
Indianapolis, Indiana
(full time teacher at I.U.S.D.)

Bush, Ralph
10 South Jefferson

- Knightstown, Indiana
(Attended Post-graduate course in Oral Surgery, this year and last)
- Cain, William Robert
 36 South Pennsylvania
 Indianapolis, Indiana
(Veterans Administration Regional office)
- *Cohen, Cecil Stanley
 1204 South Meridian Street
 Indianapolis, Indiana
- Ferguson, Chelcia Bernard
 Box 66
 Oakland City, Indiana
- Ford, John Eckles
 Citizens Bank Building
 Petersburg, Indiana
- Henricks, George Franklin
 61st Gen. Disp., Rocheford Det.
 APO 217, N.Y. N.Y.
- Herman, Sidney
 4157 College Avenue
 Indianapolis, Indiana
- Hohlt, Fred Arold
 1121 West Michigan Street
 Indianapolis, Indiana
(full time teacher at I.U.S.D.)
- Imboden, Howard Lowell
 945 Salem
 Dayton, Ohio
- Jones, Harold Sawyer
 305 West 42nd Street
 Indianapolis, Indiana
- Kauffman, Charles Perry
 10 West Ohio Street
 Indianapolis, Indiana
- Kensill, John Tucker Capt.
 503 Monger Building
 Elkhart, Indiana
- *Martin, Robert Raymond
 (Address Unknown)
- *McKee, Everett Vern
 (Address Unknown)
- *Messenger, Zelix Sidney
 (Address Unknown)
- Miller, Ralph Jesse
 324 West 2nd Street
 Seymour, Indiana
- Monfort, Louis Holliday
 R. R. #5
 Crown Point, Indiana
- Niles, Norwin Mellott
 11 West Keyser
 Garrett, Indiana
(Attending Periodontology Seminar at Colorado Springs in July)
- Parr, Charles Duval Lt. Col.
 3575 the USAF Hospital
 Vance AFB, Oklahoma
- Rudolph, John Morrison
 104½ West 3rd
 Mishawaka, Indiana
- *Sanders, Herschel Evan
 Deceased
- Shanks, Manson Smith
 104 South 10th Street
 Noblesville, Indiana
- *Siegel, John Vincent
 321 Joselin Avenue
 Cincinnati, Ohio
- Simons, Laurence William
 Fowler, Indiana
- Smith, Richard Gibson
 403 Odd Fellow Building
 Indianapolis, Indiana
- Steinsberger, Harry Cecil
 512 Washington
 Cannelton, Indiana
- *Van Osdol, Dean
 218 East Center Street
 Warsaw, Indiana

Class and Fraternity Notes

SENIOR CLASS

The days are rapidly being crossed off the calendar as we near Commencement and the state board examinations to follow. It has been a busy year and most members of the class are beginning to relax, but some are still worrying about the last few pieces of required work. Oral Diagnosis is regularly visited by seniors who are willing to examine patients in the hope of finding those last few points for clinical requirements and the "ideal" situation for a state board foil or alloy.

The spring semester has been filled with extracurricular activities to occupy our spare time. In addition to the social functions of the fraternities, the supply houses have given us the opportunity to talk to representatives of the various manufacturers so that we might assess the relative merits of the many products on the market. Eli Lilly has extended its annual invitation to visit its plant and there have been seminars to attend with our future professional colleagues. Honor Day is to be held May 17 and the traditional Razz Banquet June 5.

Uncle Sam has pointed a long finger at a majority of the class. At last count, 46 members of the graduating class will enter some branch of federal service. Of the 19 remaining seniors 2 will intern, 10 will enter practice in Indiana, 6 will go to other states, and 1 is undecided. Four of the special students plan to return to their own countries, while one is going into service and plans eventually to become a citizen and make his home in the United States.

It is with an odd mixture of regret and relief that we end our formal training. Many close friendships have been formed and our mutual trials and tribulations have brought a feeling of unity to the class as a whole. There is a common sense of accomplishment and yet we realize (even if we don't admit) that there are many things we would like to know better.

We of the Class of 1956 would like to take this final opportunity to express to the members of the faculty our appreciation of their efforts. Our confidence in our professional ability is based on the realization that they have given us a sound foundation upon which to build our dental knowledge.

Robert W. Barnett

JUNIOR CLASS

The political cauldron boiled a little this semester and the junior A. D. A. emerged with a new president for the coming year, Harrison Lawyer.

Through the combined efforts of the dean, the faculty, and the class officers our two Saturday classes were transferred to Wednesday and Friday. This administrative procedure was thoroughly enjoyed by all. For some this meant Saturday morning in bed and to others a full day of work.

We sincerely thank Dr. Hohlt for his Wednesday evenings this last semester. Five different juniors and five different seniors each time watched procedures in the clinic on gold foils, direct and indirect inlay technique, diamond and carbide cavity preparation techniques, amalgam restorations etc. Lucky were the students who were the volunteer patients.

Did you happen to see the junior lab this semester? It has a different appearance! Dr. Johnston has all the intimate details for those who would like to ask why.

A civil defense course was added to the curriculum in which we have studied from Atom to Adam with many of the related problems.

Dr. Kelly has revised the orthodontia technique laboratory into five very interesting rotating stations: (1.) Retainer construction (2.) Impression technique (3.) Cephalometrics (4.) Soldering techniques (5.) Model analysis.

As the school year rapidly closes the junior student is amazed that the amalgam no longer falls out of the maxillary cavity preparations before it is condensed. The fear of the rubber dam, separating discs, gagging patients and copious amounts of sanguine fluid are part of the past and we are reaching for a higher plateau—the senior year!

John J. Buyer

P. S. Bachelors, please note: 2/3 of the class is married.

SOPHOMORE CLASS

As the school year rapidly draws to a close, the Sophomore Class is probably the happiest

in the school, with the possible exception of the graduating Seniors. We have had a busy year and an especially "trying" second semester but it will soon be behind us. We are eagerly awaiting our opportunity to work in the clinic and apply what we have learned.

We have enjoyed working and studying together but we have had little opportunity for social functions together as a class. We have had few expenditures this year and plan to carry our class funds over until next year. The class hopes to have more social enjoyment in the coming year.

The Fraternities have been very active and have provided friendship and pleasure to the Sophomore Class and the upper classmen.

Robert A. Perotti

FRESHMAN CLASS

On the evening of May 5th, the annual Spring Dinner-Dance of the Freshman Dental Class was held. The semiformal event, from 7:00 to 12:00 P.M., was held in the Chatterbox Room of the Van Orman—Graham Hotel. Guests at the dinner include Miss Margaret Littell and Mr. and Mrs. Robert Miller. Dr. and Mrs. Joseph C. Muhler and Dr. and Mrs. Charles C. Rohrer of the Chemistry Department were guests who attended the dance which followed the dinner.

Elected officers of this year's class are: Robert B. Purdy, President; James O. Beck, Vice-President; Jo Ann Nichols, Secretary; and Joseph C. Hippensteel, Social Chairman. Dr. Joseph C. Muhler was elected as the faculty advisor.

Plans for the future include the successful completion of this year's course of study, a full and prosperous vacation, and the beginning of our study on the Indianapolis Campus.

Robert B. Purdy

PSI OMEGA

As is apparently inevitable with all good things, this '55-'56 school year is fast approaching its end; this terminal period being marked by the usual syndrome of midnight oil, midnight gas, sophomores worrying about becoming juniors, juniors looking forward to the rigors and pleasures of seniorhood and seniors serenely anticipating the various "Board problems". Do you remember Doctor?

It has truly been a good year for the chapter with contributions coming from several sources. The chapter house has been graced

by new dining chairs, new lounge furniture and new laboratory stools, the energy and funds for these additions coming from the active chapter with the advice of our alumnae. I believe that it is generally agreed among the active members that our parties have been increasingly successful and enjoyable this year. A factor of no mean significance in this phase of fraternity life has been the tireless activity of a fine student wives' organization. The "Psi O" wives offered a Sweetheart dance early this spring and have contributed much to the pleasure of all our dances by their endeavors in the subject of house decor and by their culinary artistry.

Our Christmas dinner dance, held at the Meridian Hills Country Club, saw the presentation of a gift, a token of appreciation, to Dr. J. William Adams, our immediate Past Deputy Councilor. Our present Deputy Councilor, whose industry and helpfulness we are now enjoying, is Dr. Fredrick A. Hohlt.

During our regular meeting on March 20, the election of fraternity officers for the remainder of this year and next was effected.

The new nucleus of control consists of:

Glen O. Sagraves—Grand Master
Don E. Lahrman—Junior Grand Mater
Robert L. Frazier—Secretary
John L. Stamper—Treasurer

The members of the new regime were installed during a special meeting for that purpose on April 5.

The week-end of May eleventh to thirteenth witnessed the culmination of rush for us. The usual stag was held on Friday night, perhaps extending just a little into the wee hours of Saturday morning, then the rush dance took place Saturday night. The entire week-end was seemingly a pleasure for actives and prospective neophytes alike. Bouquets for hard and good work during the rush season should be lobbed to all members and extra large ones to Messrs. Carl Edds and John Collins, our rush chairmen.

Of course, at the end of the year, the sophomores and juniors must bid goodbye to the senior members. Most members of this "... soon you'll address me as Doctor" group will be entering the armed forces upon graduation. These gentlemen of skill are naturally being forewarned of the demands and stringencies of the cold, cruel world, but they are bearing-up well and are indeed all willing to be graduated in spite of these grave forebodings.

All of us here in the Omega chapter hope

(Continued on next page)

that you who have been here and have continued on will allow us to extend you a "welcome back" whenever you are in town. This invitation is not merely a perfunctory one; we would genuinely enjoy seeing you here.

James C. Walker

Post-Graduate Courses

During the 1955-56 school year Indiana University School of Dentistry offered five symposia, nine refresher courses and two courses for laboratory technicians. Three were withdrawn due to insufficient response.

Each of the six courses which were given for dentists had a very satisfactory enrollment and the first course for technicians was oversubscribed, making it necessary to offer the course a second time. Twenty laboratory men from New York, Ohio, West Virginia, Illinois, Missouri, Texas and Indiana attended.

The symposia scheduled for the school year of 1956-57 are in the fields of Radiodontics, Endodontics, Crown and Bridge Construction and Prescription Writing. Drs. Stanley Tylman and John Geller will headline the April Symposium in Crown and Bridge. The one on Prescription Writing will be offered in cooperation with Purdue University.

The postgraduate courses scheduled definitely are those in Partial Denture Construction and Laboratory Techniques. It is hoped that others in Endodontics, Pedodontics and Operative Dentistry can be offered.

The Postgraduate Committee would welcome letters from alumni and others with suggestions for courses or areas of study which would be of value to those considering attendance.

John F. Johnston,
Chairman, Postgraduate Committee

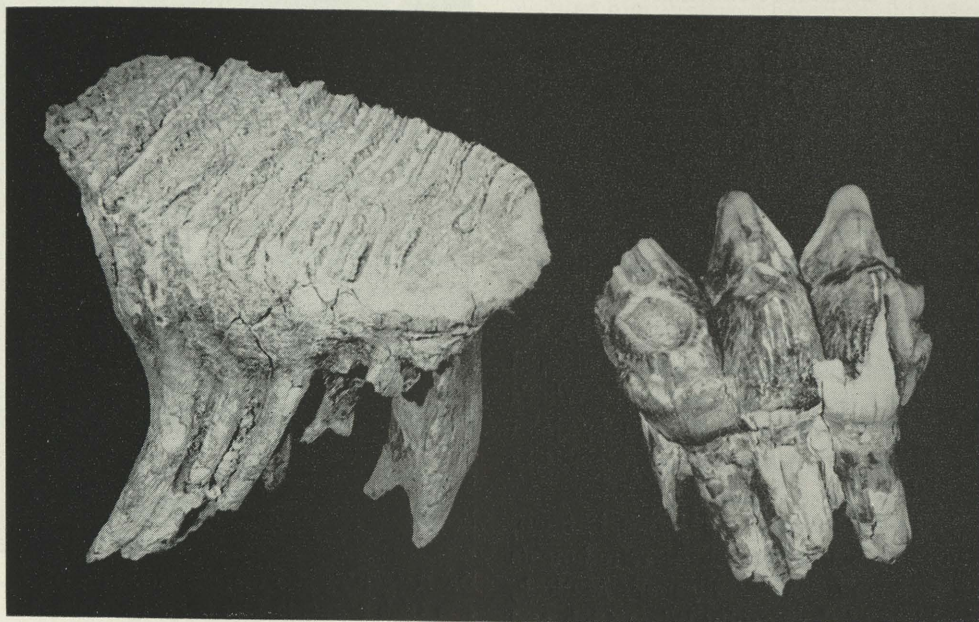
Prehistoric Teeth Found

Excavated from a gravel bed fifty feet below the surface at Myers Sand and Gravel Co., in Anderson, Indiana, on February 4, 1956, were two prehistoric animal teeth. They were found in a layer of gravel which geologists claim is a part of the glacial deposits left by retreating ice sheets thousands of years ago.

John R. Millar, Deputy Director of the Chicago Natural History Museum, Chicago, Illinois, identified the two teeth. The largest of the teeth, which measures five inches in length and three and a half inches in width, is that of the Pleistocene elephant, genus *Mammuthus*. The smaller of the two teeth is that of a Mastodon, genus *Mammut*. Both mammals were Pleistocene proboscidian common to the North American continent from 25,000 to 250,000 years. It would be quite difficult to determine the exact age of the specimens without a careful study of the stratigraphy.

The molar teeth of the Pleistocene elephant are variable in character but the number of plates is always large. The plates range from fourteen to sixteen in the second molars to eighteen to twenty-seven in the third molars. This tooth is estimated as being a second molar. The teeth are very deep and wide so that in the dentition the mammoth reached perhaps the highest point in the evolution of the elephants.

The Pleistocene elephant is a native of Northern Asia, but the stupendous ice sheets refrigerating a third of the earth's surface drove the animals of three continents across transoceanic causeways ever southward. In America these mammoths attained a gigantic size. The largest of all reached a height of some fourteen feet.



Molar of Pleistocene elephant on left and Mastodon on the right.

The smaller of the two teeth is that of the mastodon. You will notice that the ridges of this molar tooth are placed transversely and are almost straight. Notice also, the valleys between them are not blocked by intermediate cusps. A characteristic of this type of molar is that it possesses only three ridges. The dentine of this tooth is visible, probably because wear from mastication has removed the enamel.

Skeletons have been found in Ohio and the Hudson valley but they are very rare in the Middle West and South.

To Robert C. Myers, Secretary—Treasurer of Myers Sand and Gravel Co., of Anderson, Indiana, do we owe our sincerest appreciation for the donation of this rare find to Indiana University School of Dentistry.

The above information was supplied by Mr. Graydon W. Collier, Jr. of Anderson.

SENIOR AWARDS

(Continued from page 12)

Oncology by the U.S.P.H.S. Cancer Research went to Marvin Bernstein. Second prize was presented to Carrol Wade and third to Charles Bridenhager. First prize in the Senior Essay Award was presented to Louis D'Angelo, second to Dr. Antoine Hannouche and third to Vernon Martin. The annual award to the student showing the greatest improvement since the freshman year was received by Ellis M. Shackelford. This year the Interfraternity Council presented an award in the form of a plaque to the fraternity having the highest scholastic average. It was won by Alpha Omega and Xi Psi Phi was second.

Scholastic honors, recognized through election to Omicron Kappa Upsilon, were presented to ten members of the graduating class. The keys were awarded by Dr. John F. Johnston, President of Theta
(Continued on next page)

Theta Chapter. The recipients were:

Robert W. Barnett
Emanuel Dragomer
Gerald K. Glass
Donald W. Johnson
David Lehman
John R. Mink
James L. Pittman
Ellis Shackelford

The certificate to the sophomore who made an outstanding record in the freshman year was awarded to Russell C. Boyd. The contest awarded by the Department of Radiology and sponsored by Omicron Kappa Upsilon—"What's Your Interpretation" was won by John R. Mink. Mr. Marvin Bernstein was second.

Following remarks by James Pittman, Senior class president, light refreshments were served. Mrs. Eleanor Matlock, President of the Faculty Wives Club and Mrs. Dorothy Overpeck, President of the Dames Club, presided at the table.



Dr. Robert Tarplee presents Hamilton Discussion Club plaque to Ellis Shackelford.

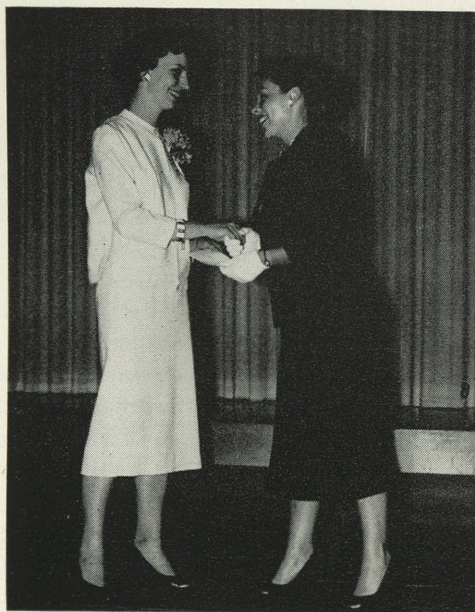
LIBRARY

(Continued from page 7)

all, together with the walls, painted a light blue.

We were fortunate in securing from campus surplus a Victorian sofa with two matching chairs upholstered in red velvet and a rug with the predominate color in red. In July 1953 we also were fortunate to receive from the American Board of Periodontology a monetary gift to be used for the purchase of special books or equipment for the library. From this gift sufficient funds were taken to recondition the upholstered furniture and to purchase a round lamp table of black wrought iron with a glass top, crystal base table lamp, a bronze floor lamp and blue antique satin draperies.

In January of this year a beautiful original 21" x 31" autumn scene in oil by the Indiana artist, W. A. Eyden, was



Miss Anne Ackerman, dental hygiene instructor, presents proficiency award to Judith Patterson.

presented to the School of Dentistry by Dr. and Mrs. Ert J. Rogers and hangs in the Browsing Room.

The Browsing Room presents a restful, attractive appearance and seems to be appreciated by the student body as a quiet corner in which to relax and read.

DEAN HINE REPORTS

(Continued from page 7)

Radiodontics

December 12 Symposium on Endodontics

1957 March 13 Prescription Writing

April 3 Symposium on Crown and Bridge

We will also offer short postgraduate courses as follows:

1957 Feb. 11-13 Course for Dental Technicians

March 11-15 Partial Denture Construction

April 1-4 Pedodontia

April 17-18 Endodontics

Further information will be available later.

ORTHODONTIA DEPARTMENT

(Continued from page 15)

to limit his practice to orthodontia and orthodontists today pay just tribute to him for his contributions along these lines.

Another improvement of great value to the orthodontist was the substitution of gold platinum for German silver in making appliances. This occurred soon after the advent of the orthodontic specialist and permitted reduction in size of wires used. It also allowed soldering of these wires without destroying their elasticity as was the case with German silver. Meanwhile, other men of scientific turn took up the specialty from the pathological and physiological viewpoint and orthodontia gradually became a science.

Dr. Jackson served on the faculty of the Indiana Dental College in various

capacities for a period of 36 years; and, upon his resignation in 1937, the Board of Trustees of Indiana University appointed him Professor Emeritus of Orthodontia,⁶ in recognition of his long and distinguished services in the college. Dr. Jackson is now living in La Mesa, California.

Upon the retirement of Dr. Jackson, the teaching of Orthodontia at Indiana was taken over by Dr. William A. Kemper, who had been the Assistant Professor of Orthodontia since 1928.

Dr. Kemper found it advisable to place more emphasis on the growth and development of the human jaw and to eliminate the practice of having under-graduate students work on patients. The clinical aspects, therefore, were taught by having students observe the treatment of patients by staff members.

It is interesting to note that it was not until about this time that the first differentiation between children and adult dentistry was made. With the establishment of the children's clinic, the base of operation of orthodontics was moved from the main clinic to any available chair in the children's clinic.

Since the field of orthodontia was growing in scope within the dental school, it was felt that there was a need for a full-time professor. To meet the need, Dr. Thomas D. Speidel was appointed as the first full-time professor of orthodontia, in 1941.

Dr. Speidel was graduated from the University of Iowa in 1930. He had received the degree, Master of Science, in 1932, having pursued his studies in orthodontia. From 1934 to 1936, he headed the orthodontia department at the University of Tennessee. Following this, Dr. Speidel returned to Iowa, where he took a very active part in the graduate and under-graduate work of the orthodontia department.

In October, 1941, Dr. Speidel came to

(Continued on next page)

Indiana University School of Dentistry as Professor of Orthodontia, during which time he also served as editor of the *Journal of Dental Education*.⁷

Under Dr. Speidel the number of undergraduate hours was increased to 105, and the graduate study in orthodontics was instituted.⁸ While the department progressed during his leadership, the expansion was not as great as Dr. Speidel had hoped it would be; for, during these war years, there was a lack of appropriate funds.

In 1945, Dr. Speidel was appointed Dean of the School of Dentistry at Loyola University of the South in New Orleans. To be chosen to fill such an important post was a distinct honor. Later, Dr. Speidel moved to the University of Minnesota where he is now serving as a member of the orthodontic staff.

After Dr. Speidel left Indiana, Dr. Drexel Boyd, who at the time was serving as the head of the pedodontia department, filled in until 1946.

For about 8 months, Dr. Boyd carried on the clinical activities which entailed the finishing up of those cases near completion and carrying on those cases requiring extensive treatment.

In 1946, Dr. William J. Adams was appointed Professor of Orthodontics. Dr. Adams received his D.D.S. degree from Ohio State University in 1936 and his M.S. degree from the University of Illinois in 1939.⁹ Now serving as the head of the Orthodontia Department of Indiana, Dr. Adams' enthusiasm is exemplified in the high standards he has set for the department.

The orthodontic lectures and demonstrations for sophomore students already being taught when Dr. Adams arrived at Indiana University were increased from 15 to 17 hours, in order to introduce the students to the problems associated with diagnosis of dental and facial anomalies.

In 1947, a new course was added to the curriculum which was the study of the development of the teeth, jaws, face, and bones and musculature in the head and neck. These were correlated in this lecture course with the study of the forces of occlusion. The junior course of study, which teaches both the causes of dental anomalies and the principles employed in preventive and corrective treatment and the technical procedures utilized in the prevention and correction of malocclusion, was increased from 60 to 72 hours by Dr. Adams.

The orthodontic group clinics for seniors to employ the principles and techniques taught in orthodontia were also increased from 30 to 45 hours.¹⁰

Courses of Fundamentals of Occlusion, Temporal Mandibular Joint Problems, and Anatomy of the Head and Neck have been incorporated into the under-graduate curriculum in order to strengthen vital areas of study.

While the department has turned out relatively few graduates, specializing in orthodontia, the men who have been graduated are unusually good ones.

The graduate program has come into its own since 1946, which is evidenced by the higher standards required, the quantity and quality of training, the increasing interest in the field, and the gain in the number of applications received each year for specialized study.

Three graduate objectives have been rigidly adhered to in selecting applicants, and they are listed by Dr. Adams in their order of importance:

1. The dentist, before going into specializing in orthodontics, must first have proved himself an excellent clinician.
2. The dentist must be capable of offering something to the field. He must be willing to devote time to investigation and research.

3. The Indiana graduate orthodontist must be able to teach himself effectively, as well as others.

Indiana's department is taking the lead in establishing a pattern for what dentistry should be in the future, a new era of facial analysis. The department is doing a better job of correcting face anomalies by working with surgery than any other in the world. Patients have actually moved to Indianapolis from all over the world to take advantage of the skillful use of cephalometry. Cephalometry involves the use of the cephalograph, an instrument which is located in the Radiology Department and is used to record, graphically, the contour of the head.

From the cephalogram, it is possible to determine the measurements of the various parts of the head; through knowing the measurements of the various parts, their functions can be ascertained; and, in knowing their functions, it is possible to determine the growth processes and existing or potential conditions of malocclusion. The value of the instrument in diagnosis, treatment, and correction of malocclusion is apparent.

Dr. Adams, at the present time, is designing a new orthodontic clinic which, he hopes, will be a reality by 1960. In his usual meticulous and methodical manner, he is now trying to decide the kind of men he will need as the orthodontists to staff the new clinic. As an insight into the qualifications such men will need, it might be well to note that Dr. Adams has little respect for three words which, he feels, should never be associated with orthodontia. The three words are: "authority," "always," and "never." According to Dr. Adams, to use the term, authority, implies the acceptance of another man's word as law; and Dr. Adams feels that dentistry can be too tradition-bound. "Death", states Dr. Adams, "is the only thing that could ever be 'always.'"

"And", he adds, "only a foolhardy fellow would be tempted to use the term, 'never'."

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Honorary Degree Citation for Dr. Howard Riley Raper, Commencement Exercises, University of New Mexico, June 6, 1956

"A skilled specialist, known and respected throughout the world as a pioneer in the field of dental diagnosis by x-ray. A lifelong crusader, who by his teaching and through numerous publications of his research, has made commonplace in every dental office the effective use of this powerful agent in preventive dentistry. Student of the history of anesthesia, expert diagnostician, and inventor of new techniques of X-ray, his versatile career of service stands as a symbol of the increasingly successful struggle of man against pain.—Howard Riley Raper, upon recommendation of the Faculty of the University and by vote of the Regents, I confer upon you the honorary degree of Doctor of Laws."

Required Outside-Reading for Senior Students, Crown and Bridge Dept.

<i>AUTHOR</i>	<i>NAME OF ARTICLE</i>	<i>BOOK OR MAGAZINE</i>	<i>ISSUE</i>
Bastian	The Restoration of General Loss in Vertical Dimension of Badly Abraded Teeth	So. California State Dent. Jour.	October 1951
Brecker	The Porcelain Jacket Crown	Book	
Breckner & Miller	Traumatic Occlusion and Prosthetic Procedure	Dental Concepts	July 1951
Coelho	The Present Day Rationale of Fixed Restorations	Jour. of Dent. Medicine	April 1952
Coelho	Fixed Prosthesis in the Restoration of Lost Vertical Dimension	New York University Jour. of Dentistry	October 1950
Cohn	The Acrylic-faced Cast Gold Crowns	J. Pros. Dentistry	March 1951
Cowan	Treatment of Diastema by Jacket Crowns	British D. J.	April 3, 1951
Klaffenbach	Present-Day Techniques in the Construction of Full Crowns on Posterior Teeth	International Dent. Journal	June 1951
	Science, Art and Ceramic Fundamentals involved in Porcelain Jacket Crown Prosthesis	Australian Dent. Journa.	April 1951
Lauritzen	Function, prime object of restorative JADA dentistry; a definite procedure to obtain it	JADA	May 1951
Markley	Broken-Stress Principle and Design in Fixed Bridge Prosthesis	J. Pros. Dentistry	July 1951
McEwen	Anterior Three-Quarter Gold Crowns	J. Georgia Dent. Assoc.	January 1951
Nuttall	Diagnosis and Correction of Occlusal Disharmonies in Preparation for Fixed Restoration	JADA	April 1952
Nuttall	Clinical and Technical Aspects of Crown and Bridge Prosthesis	Philadelphia Co. Dent. Soc. Bulletin	March 1950
Pinkerton	Anterior Fixed Bridge Prosthesis	JADA	April 1952
Pleasure	Correct Vertical Dimension and Freeway Space	JADA	August 1951
Thom	Principles of Cavity Preparation in in Crown and Bridge Prosthesis		
	I. The Full Crown	JADA	Sept. 1950
	II. The Three-Quarter Crown	JADA	Oct. 1950
Tinker	III. The Inlay Abutment	JADA	Nov. 1950
	The Three-quarter Crown in Fixed Bridge Work	Canada Dental Assoc. Journal	March 1950

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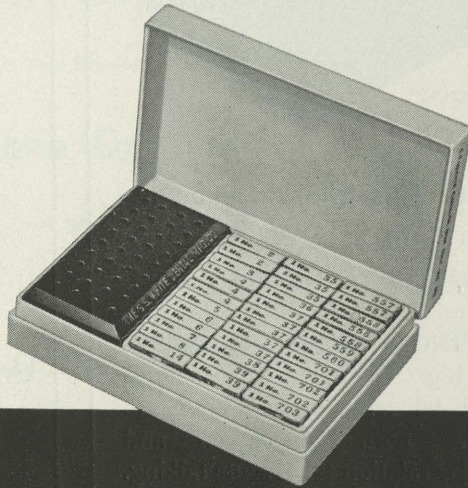
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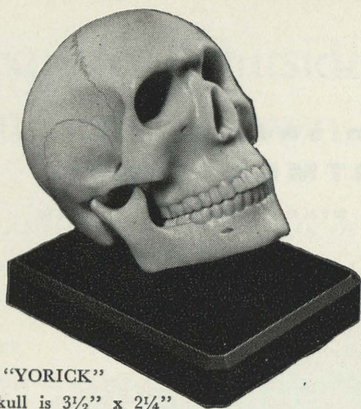
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