

Alumni Bulletin

INDIANA UNIVERSITY
SCHOOL OF DENTISTRY

MARCH, 1959

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.

Classification and Evaluation of High-Speed

By D. A. Boyd, Professor of Operative Dentistry

When new ideas or concepts are introduced into a field of endeavor, there usually follows a period of study, research, and clarification before their final acceptance and full utilization. The introduction into the practice of dentistry of higher speed rotary cutting instruments and the tools and techniques used with them has followed this familiar pattern. The literature, as well as personal communiques of the profession, attests to the fact that the dental clinicians and investigators have been trying diligently to clarify the many ramifications of high-speed so that its benefits may be better appreciated and utilized by the dental profession. A general definition and description of the principle involved in high-speed is: the use of higher revolutions per minute of rotary instruments and tools to present more linear feet per minute of the peripheral surface of the milling or grinding tool to more effectively cut or reduce tooth substance. The term and subject of high-speed as it is recognized by the profession today includes the equipment, tools, and technics associated with this increased linear surface speed of the cutting tool and the effects these have upon the performance of operative procedures. Because of the lack of specific correlation of existing information, an evaluation of high-speed at this particular time in its development and application will have to be primarily an expression of generalities derived from practical experience and an attempt toward the application of principles using the information available at this time.

Revolutions per Minute

The amount of linear feet per minute of the peripheral surface of a rotary tool is

determined by multiplying its circumference by the number of its rotations per minute. The amount of linear feet of the peripheral surface of a tool available for the cutting process is therefore in direct proportion to the size of the tool and its rotation per minute. Clinically, this means that the operator may control the amount of grinding or milling surface feet per minute that may be used in cutting by the selection of different sized tools and by variation of rotational speed. Because the size of dental rotary tools are limited by access and the area in which they are used, it is a common practice to disregard the circumference size of the tool and to use only revolutions per minute as a measure of the amount of grinding or milling surface available for cutting tooth substance. This practice, while simple and practical within certain limits, often fails to give a true indication as to the relative efficiency of the various tools the operator may use. Therefore, the use of only revolutions per minute to determine or evaluate the effectiveness of high-speed is not too accurate and is often the basis for many of the problems and misunderstanding found among practitioners using various types of high-speed equipment and tools now available to the profession. However, until a simple standard is found to evaluate the relationship of tool size and design to rotations, the clinician will of necessity be concerned with the revolutions per minute method of increasing surface velocity of the tool regardless of its size. From the practical aspect the clinician can use increased revolutions per minute and as large a tool as may be accommodated in a given area as a simple means of getting the most out of a particular high-speed set-up. Other factors, such as tool design, the material

from which it is constructed, its efficiency as related to wear, type of material being cut, and the pressure or load with which it is applied in relation to available torque are all variables which affect the efficiency of the rotary cutting process.

Standard High-Speed

At the present time so many different speeds of rotation per minute are being used in the field of high-speed that it becomes very difficult to interpret what is meant by the term when it is used. To simplify this discussion, the range of 10,000 to 30,000 r.p.m. will be designated standard high-speed; 30,000 to 100,000 r.p.m. super high-speed; and 100,000 r.p.m. and above ultra high-speed.

There are now available to the profession numerous handpieces which operate in the standard high-speed range with very good results. Most of these handpieces have ball bearing or especially

designed bearing surfaces to facilitate the use of higher rotational speed and to prevent excessive wear, vibration, and frictional heat from becoming a problem. (Fig. 1) These handpieces along with their contra-angle attachments, which in many instances are long sheath, have been used by many clinicians with very satisfactory results. There are certain features in their use and maintenance that require particular attention. The special bearing straight handpieces when operated with reasonable care and lubrication in the standard high-speed range should produce few problems. However, when contra-angle handpieces or attachments with gears and simple frictional bearing bur tubes in them are used in conjunction with these straight handpieces, excessive wear and frictional heat in the head of the contra-angle becomes a problem. With this wear what was formerly a reasonably high precision instrument becomes
(Continued on next page)

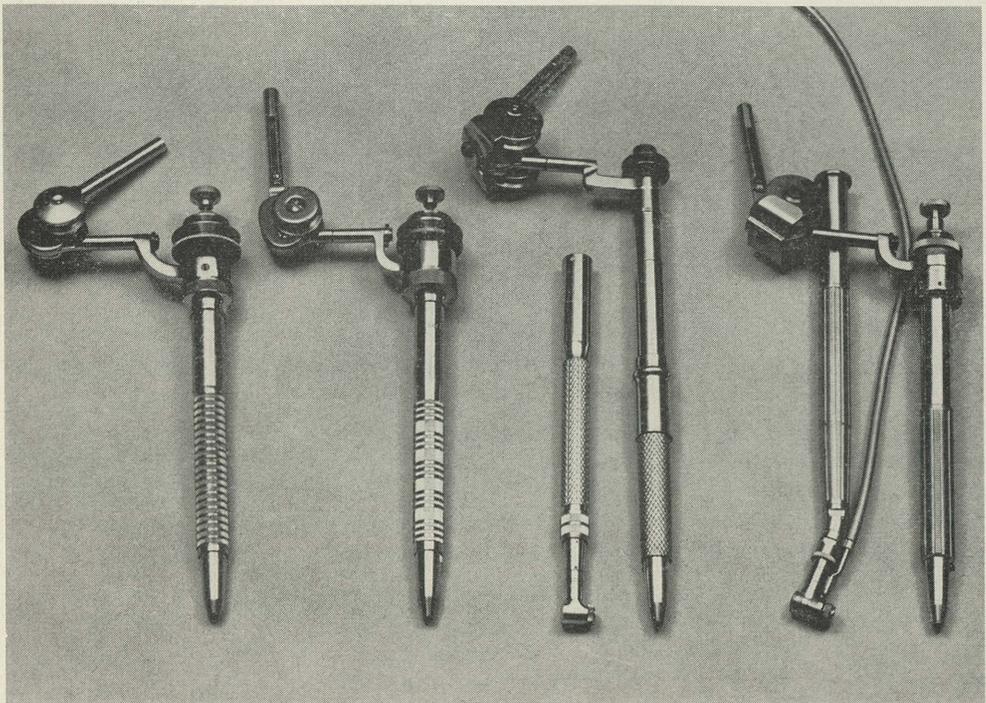


Figure 1. Standard high-speed handpieces. These handpieces have small high-speed pulleys and special bearing arrangements. Long sheath contra-angles should be used to minimize vibration. Speeds up to 30,000 r.p.m. may be used with this type of equipment.

eccentric in the relationship of its rotary parts and produces extensive vibration and more wear and heat as it is operated. Some of these problems may be partially alleviated by the operator when using high-speed; first by securing high quality straight and angle instruments and secondly by using them within their prescribed limits. The use of angle instruments with ball bearings, improved bearing arrangements, long sheath attachments and special lubrication devices also help minimize the vibration, wear and heat problem.

These standard high-speed instruments may be operated using steel, carbide and diamond tools according to the material being cut, the specific form being desired and the personal preference of the operator. The efficiency of the various tools will be dependent upon several factors which will be discussed in later evaluations.

Super High-Speed

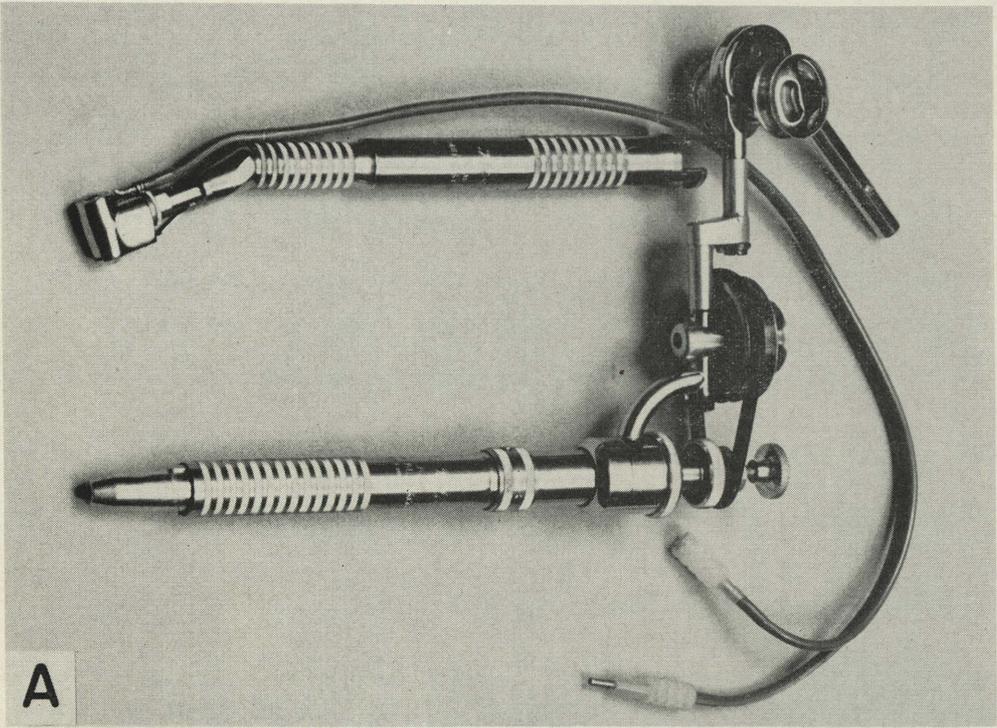
The handpiece manufacturers have now made available to the profession instruments that may be operated at speeds above 30,000 r.p.m. to that approaching 100,000 r.p.m. (fig. 2). Such instruments are in general use in many offices and are finding ready acceptance by the operator because of their greater efficiency when cutting or reducing tooth substance. The higher r.p.m. of super high-speed is obtained from the use of increased motor speeds as found in most new dental units, resistor arrangements on the electrical circuit to the motor, and motor handpiece pulley ratios that greatly increase the amount of engine belt that turns or drives the rotating shaft or drive of the straight handpiece. In most instances the straight and contra-angle handpieces used in the extra high-speed range are similar to those used in the standard range. The main difference between the super high-speed set-up and the standard set-up is the increased speed arrangements and the improved lubrication and maintenance facilities. However, when such equipment

is run at this increased speed, the matter of wear, friction, and resultant heat in the instruments becomes an acute problem. Exacting maintenance and lubrication procedures are an absolute must if reasonably satisfactory and trouble-free service is to be obtained from these instruments when working at such speeds. It should be recognized that all instruments when used in this range even with the best of care will have a higher rate of wear and a shorter period of usefulness before major maintenance repairs are necessary. The increased operating efficiency gained from their use as well as patient comfort and acceptance in most cases more than compensate for this disadvantage.

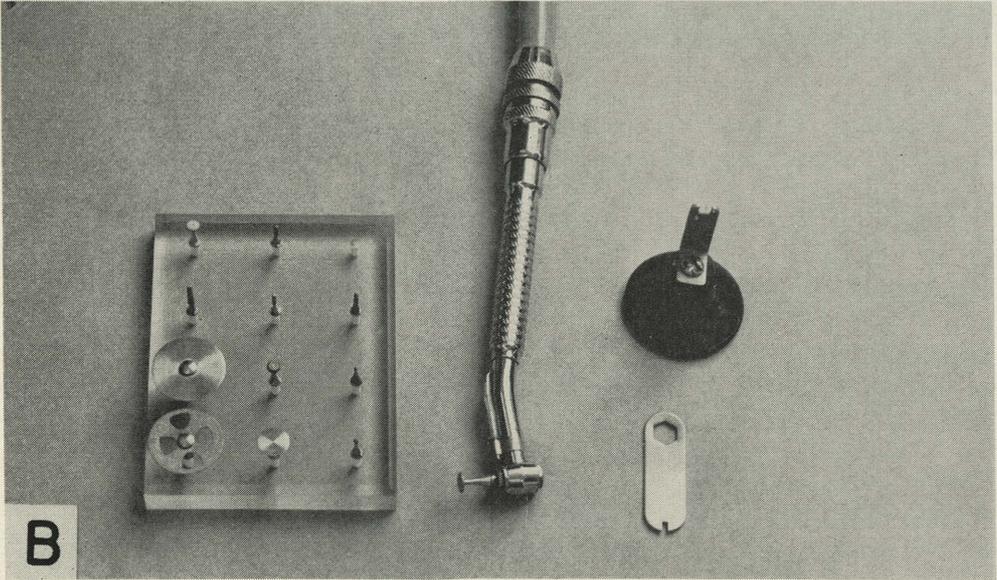
Ultra High-Speed

With the recognition and acceptance of the principle that higher surface velocity of the cutting tool produces more efficient cutting of tooth substances, there has occurred the development of instruments which produce exceedingly high revolutions per minute. The tools in these handpieces travel at from 100,000 to 300,000 r.p.m. and are capable of presenting an exceptionally high number of linear feet per minute of the tool surface to the area to be cut or reduced. With few exceptions, the instruments used in this speed range do not use the same methods of driving the tools as found in conventional handpieces. Instead these instruments rely upon either a turbine or belt-driven bur tube to rotate the tool. Through such an arrangement, much of the bearing surfaces and all of the gears found in conventional handpieces are eliminated. Such design minimizes friction, wear, heat, and vibration and produces a situation favorable for efficient and effective operation of these instruments in this very high rotational range. The bur tubes of the instruments shown in Fig. 3-A are belt-driven and those in Fig. 3-B are turbine-driven. Both carbide and diamond tools are used when operating in the ultra high-

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A



B

Figure 2. Ultra high-speed contra-angle handpieces. A. Mechanical gear driven contra-angle which uses forced lubrication. This instrument may be operated in the 30,000 to 100,000 r.p.m. speed range. B. Water turbine contra-angle handpiece which operates at 45,000 r.p.m.

Hospital Division of Oral Surgery in New Clinic

by Ronald S. Ping, Acting Chairman, Department of Oral Surgery

The hospital oral surgery service, a part of the Department of Oral Surgery, Indiana University School of Dentistry, has acquired a new home. About one year ago the oral surgery clinic was moved from its old location on the fifth floor of Robert Long Hospital to room 275 in the north out-patient wing on the second floor of Robert Long Hospital. The clinic is equipped with a combination chair-operating table and two exodontia chairs, one of which is used for radiography and examination. A completely equipped darkroom is located directly behind the radiography chair. A light-proof push-through was designed and installed for immediate film processing. Though cephalometric and temporomandibular joint radiographs are not attempted in the clinic, lateral obliques of the mandible, PA's of the mandible, Waters' view, and lateral skull radiographs are routinely taken as well as the various intra-oral films. Behind the surgery chairs are the instrument cabinets which are built into the wall from ceiling to floor. Here again a push-through is utilized to connect the surgery area with the sterilizing room where the instruments are cleaned and autoclaved. Space is available for a patient recovery room. Each operating area is equipped with central oxygen and suction outlets, portable Panovision lights and electric dental engines.

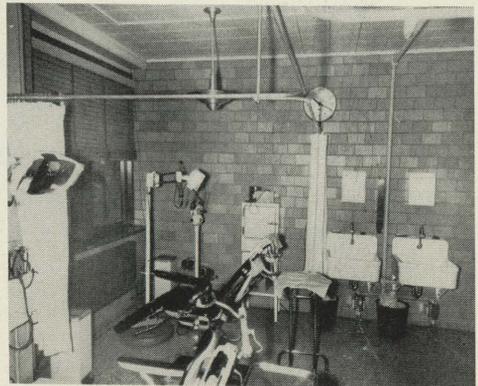
The house staff, which four years ago consisted of one intern or resident, now includes one second year resident, one first year resident, two interns, and a full-time registered nurse. The senior dental students and the second year dental hygiene

students are assigned to the clinic for the observation and the demonstration of oral surgical procedures in the hospital.

The three year training program is designed to qualify the participants for the American Board of Oral Surgery. The course encompasses six months of operating room general anesthesia, two months of plastic surgery and the equivalent of thirty graduate credit hours in basic sciences applicable to oral surgery.

By the time a trainee has completed his tour of three years he is expected to be capable of performing the major and minor oral surgical procedures that will be required in the practice of oral surgery.

Conditions for the care of patients have been arranged to simulate those in the private practice of oral surgery. The large percentage of the patients are treated and/or operated in the clinic on an out-patient basis. Patients in need of special oral surgical care or with medical complications are admitted to the appropriate Medical Center Hospital, where excellent medical consultation is available.



Clinic view showing exodontia chair and surgery table chair.



West wall of clinic showing appointment desk, instrument storage and sterilizing alcove and X-ray facilities, left to right. Darkroom is located behind unit.

Those persons sensitive to procaine or whose surgical problems are not amendable to local anesthesia are admitted to the hospital and operated under general anesthesia in one of the major operating room in the hospital surgery.

The house staff is under the direct faculty supervision of Dr. Charles E. Hutton, four mornings of each week. Other faculty members of the department are on call as needed. Dr. Hutton, Dr. G. T. Gregory, professor of Oral Surgery and Dr. R. S. Ping, acting Chairman of the department, are responsible for the planning and execution of the program.

During the past year there have been 3,146 out-patient visits to the clinic, 128 hospital admissions for major oral surgery in addition to approximately 127 consultations for in-patients from other services in the center.

Great advances have been made throughout the country in the teaching and training of oral surgeons along with the treatment and management of patients. Indiana University is keeping in stride due to the efforts of many of its faculty. Great credit is due Dean Hine, Dean Van Nuys, Medical Director, Dr. Donald M. Close, members of the dental graduate faculty, and members of the faculty, School of Medicine.

Over 85 requests for appointment to internships and residencies have been received from senior dental students and dentists of other states and eleven foreign countries.

Members of the 1958-59 house staff are Drs. G. T. Childes and R. Hamilton, interns; Dr. R. Ewbank, first year resident; and Dr. H. Kerr, second year resident.

Report From The Alumni Association

"Happy New Year"—to all members of Indiana University Dental School Alumni from the office of your president down in Evansville. I hope that each of you have had a very successful and prosperous year. Now it is time to prospect for the coming year of 1959.

I'm sure that we all remember the wonderful year just completed and also want to compliment our retiring president, Harry J. Healey, for a job well done. Just in case some of our regular members missed our annual meeting on the campus in early October, I'll briefly give you a resumé. The weather was warm and glorious for the two-day session, and as expected Frank Jones had the arrangements for the conference completed and running smoothly. Our main speakers were on the ball having chosen timely and interesting subjects. In addition to the Friday morning Children Dental Section held jointly with our Alumni meeting (all members of the alumni are invited to come to this very worthy program), we enjoyed a panel which discussed pointed phases of management and cost in dental economics and facts pertaining thereto. However, about this time in the schedule I was becoming restless and worried. At the noon luncheon I would become the 15th President of the I.U. Dental Alumni. After the noon meeting and having heard a message from President Wells, we hustled over to the football stadium to witness a rewarding victory over a stubborn foe from West Virginia University. It took the dental alumni group to get the Indiana U. football team going. After our help they didn't lose a game the remainder of the season. I'm sure that when I compliment our great coach, Phil Dickens, that I speak for each dental alumni member from all over the state, and for that matter, everyone.

It is with sincere pride that I say our dental alumni group with the staff of-

ficers, Claude Rich, Frank Jones, Joe Ricke, and Bob Stebbens, have supplied other than moral support, the financial support in our football scholarship program. This part of the program was directed by Dr. Joe Muhler. Too, our group has had the backing of some great friends such as George Davidson and others. Surely our goal of \$7,000 can be reached. If each of us would contribute only ten to twenty-five dollars, our program would be accomplished.

Looking forward to the 15th year of our dental alumni group, I know you all are expecting another successful year. We again will have our room in the Conrad Hilton Hotel during the mid-winter meeting in Chicago during the February 8-10 dates. Make a date to come to our room. Also, bring your friends even though they aren't active members. Perhaps we can show all non-members how wonderful our group is, and then how easy it is for them to become one of us. On Tuesday of the meeting, February 10, we again will have our noon luncheon. This meeting is open to all members and friends; however, tickets must be purchased from Frank Jones previous to the given date to insure a place at the tables.

During the annual May meeting in Indianapolis, the alumni room will be available in the Claypool Hotel and all are welcome. Here again it is great to meet friends and renew old acquaintances.

I'm certain that this year will be the greatest ever. I'm hoping to have an early date, possibly a football game with Illinois. New quarters in the new addition to the Union have been granted. Two hundred rooms in this new building will be available for our meeting. Since this is our 15th year, I'm planning to have the past presidents returning for an added attraction. The main speaker will be

(Continued on page 30)

Dean Hine reports that...

Progress on the construction of the addition to our dental school building has been discouragingly slow to date because of many complications, including inclement weather. We can report that the addition is above ground and we are assured that progress will be much more rapid now as the weather improves. A date for occupancy has not yet been set but undoubtedly parts of it will be available for use by the end of this year.

As reported previously, this addition will do much to relieve the crowded conditions in the dental school and make possible expanding many of our teaching programs. Plans include development of a Rehabilitation Department which will care for patients with crippling, disfiguring and incapacitating defects of the oral and paraoral structures. This phase of dental treatment has been neglected in the past although there is a great need for it. Congenital defects (such as cleft lip and cleft palate), those caused by some disease (such as oral cancer), or trauma (such as auto accident or gunshot wound) can often be cared for by modification of techniques which dentists use routinely. Studies indicate that there are about 125 infants born each year in Indiana with a cleft palate so that at any given time there are approximately 4500 Hoosiers with this defect. It is also known about 125 Indiana residents die each year from oral cancer; this means that probably 600 persons in Indiana are affected. Dentistry has much to offer these individuals.

* * *

Figures just released from the Council on Dental Education of the American Dental Association indicate that Indiana has done very well in holding down the costs of dental education to the dental student. It is recognized that dental education is more expensive than any other

type of education with the possible exception of medical education, and we have always used care in increasing costs.

* * *

Many members of the faculty are participating in the annual meeting of the International Association for Dental Research again this year. This is the one meeting each year in which research papers are presented. A total of 33 of the 47 dental schools are represented at this meeting, and we are pleased to report that again this year more papers are being presented from Indiana University School of Dentistry than any other dental school. Dr. Joseph C. Muhler is presiding at one session and Professor Ralph W. Phillips is serving as treasurer of the Dental Materials Section. Also, Miss Marjorie Swartz is secretary-elect of this section. Drs. Shafer, Mitchell, and Prof. Phillips are on the Editorial Board of the organization's publication, *The Journal of Dental Research*.

* * *

Indiana University School of Dentistry is cooperating with the University of Illinois in conducting a survey to determine the effects of radiation on patients and dentists who have been exposed to X rays during dental treatments. This survey is sponsored by the United States Public Health Service and is supervised by Dr. Lewis B. Spear. A questionnaire has been sent to most dentists in the Indianapolis area and from this group will be selected a series of offices to be studied. We are convinced that the use of X rays in dentistry is a safe procedure that should be recommended; however it is essential that we be certain the utmost care is being used. Information is needed so that we can assure the public that the dental profession is using the best of X-ray techniques.

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Library

Mrs. Mabel Walker, Librarian

Since the freshman History of Dentistry course became the responsibility of Dr. John F. Johnston in 1951, there has been a requirement each year of 16 papers at the close of the first semester. One subject is assigned to a group of four or five students. The paper prepared on the subject is read to the class by one of the group at one of the four lecture hours preceeding the close of the semester.

These subjects have covered many facets of the history of dentistry and have resulted in some extremely interesting and worthwhile papers. Actually most of the biographies including dentists and dental educators throughout the country and the information on some of the dental libraries in the United States cannot be found in the published literature. Personal communication or correspondence has been the means in many instances of obtaining the desired information. One freshman was invited to New York City to spend two or three days with the dentist about whom he was to write. All expenses including plane travel were borne by the dentist.

These papers are on file in the library of the Indiana University School of Dentistry and are available for loan. The biographies are of the following persons:

Abbott, Thomas R.
Adams, John D.
Applegate, Oliver C.
Baker, Claude R.
Bignell, Kenneth A.
Boling, Leroy R.
Brown, L. W., Jr.
Brumfield, R. C.
Buchmann, Walter A.
Buhler, John E.
Coleman, Richard
Ewing, Joseph E.
Fleming, Willard C.

Furnas, I. Lester
Gillis, Robert R.
Gregory, G. Thaddeus
Healey, Harry J.
House, Milus M.
Jelenko, Jess
Levy, Barnet M.
Lyons, Harry
Markley, Miles R.
Miller, I. Franklin
Mitchell, David F.
Moskey, M. S.
Moulton, George H.
Nuttall, Ernest B.
Pffenbarger, Geo. C.
Pallardy, Sumner X.
Payne, S. Howard
Peyton, Floyd A.
Phillips, Ralph W.
Raper, Howard R.
Schweitzer, Jerome M.
Smith, Gilbert P.
Spear, Lewis B.
Thom, Louis W.
Thompson, Morris J.
Timmons, Gerald D.
Tylman, Stanley D.
Vedder, Francis B.
Volker, Joseph F.
Wain, Joseph F.
Wain, Roy
Ziegler, J. Eugene

The histories of the following dental school libraries are on file:

Baltimore College of Dental
Surgery
Georgetown University
Howard University
University of Michigan
New York University
Northwestern University
University of Pennsylvania
University of Pittsburgh
Temple University

Medical College of Virginia
Washington University

The selected list below is from the subject papers on file:

Advancement of dental education in Indiana
Brief history of the organization of dentistry in England
Dental instruments up to 1700
Dental instruments used in America in the 18th and 19th centuries
Development of oral surgery through local and general anesthetics
Development, standardization and classification of modern hand instruments
Early dental offices
European contributions to partial dentures, 1500-1800
Evolution of the dental chair
First dental societies in the United States
History of articulators
History of cements and plastics
History of dental alloys
History of dental education in Asiatic countries
History of dental education in the South
History of dental education in the United States and abroad
History of dental education on the West Coast
History of dental laboratories
History of dental publications abroad
History of full denture prosthesis
History of gold foil
History of gold inlay
History of oral surgery
History of periodontics
Laws and jurisprudence governing dental laboratories and dental technicians
Modern dental office design
Oral diagnosis from prehistoric to modern times
Penicillin—its history and use in dentistry
Role of dental periodicals in educating the dentist

Role of dental societies in educating the dentist

Also the history of the Freshman curriculum and the history and development of the following departments in the Indiana University School of Dentistry have been written and filed:

Dental Materials
Operative Dentistry
Oral Surgery
Periodontia
Prosthetic Dentistry

The paper requirements this year in the History of Dentistry course was biographical but the papers are not currently available for processing and filing.

Research Meeting Held

The Indianapolis Section of the International Association for Dental Research held a meeting at the Student Union Building on January 23rd. This was the first such program to be sponsored by this organization and was attended by approximately 75 graduate students and faculty members. The main speaker, following the dinner, was Dr. Kenneth Kohlstaedt, Director of Clinical Research at the Eli Lilly Company. His subject was "Current Trends In Clinical Research". A series of short papers were presented earlier in the day and they were as follows:

Dr. Wm. E. Rogers—"The possibility that fluoride in bone can increase the uptake and retention of long lived strontium".

Dr. J. F. Johnston—"Fused porcelain veneers".

Dr. D. F. Mitchell—"Tumor induction studies as related to dental materials".

Dr. C. J. Burstone—"Mandibular growth patterns in the pre-adolescent".

Due to the enthusiastic reception of this program, the Indianapolis Section plans further meetings of a comparable nature.

Dental Hygiene

A. Rebekah Fisk, Director

Early in December we sent a combined Christmas greeting and questionnaire to all our dental hygiene graduates. We are pleased that so many have returned the questionnaire card and that we now have news from some who have been among the missing for a long time.

Class of 1952

Mary Louise Dreher and family have moved from Louisville, Kentucky, and are now living at 27294 Georgetown Drive, Westlake, Ohio. Charlotte (Havens) Verberg has a daughter, Katherine Ann.

Class of 1953

During the summer we received a letter from Geraldine Frazier telling us about her family. Her husband was in Africa and she and the two children were keeping the home fires burning at 5340 Royce Avenue, Jacksonville, Florida. Mary Lou (Shideler) and Raymond Halle, D'54, and two children are back in civilian practice and live at 310 East Pike, Crawfordsville, Indiana. Mary Ann Keenan took the California Board in June and is now living at 4 Third Street, Sausalito, California. Shirley (Whaley) Day is living at 11225 Lytle Lane, Dayton, Ohio. Those reporting new additions to the family are Nannette (Noirot) Hatton, a daughter, Natalie Kay; Juanita Huitema, a daughter, Jane Elizabeth; and Joan (Malacina) Hayden, her third son, Frederick Knight.

Class of 1954

Gerry Bailey is now living in Genoa, Texas, (just outside Houston) where her husband is working and attending law school. She has a second daughter, Kathy Jane. Marcella (Mitchell) Keefe is now living at 9730 Pacific Avenue, Franklin Park, Chicago, Illinois. Betty (Kiefer)

Halsey is the second graduate of this class to have twin daughters. They are Jenifer and Julie. Others announcing new additions are Marlene (Bleeke) Christmas, a daughter, Cathy Sue; Marilyn Poel, a third daughter, Donna; and Barbara (Rambo) Herrold, a daughter, Sharon Ann. Matthew Lee Tarnow, son of Janet Tarnow, was the only boy we heard about. Elizabeth (Finley) and John Oldham, D '55, are back in civilian practice and are living at 103 South Ohio, Culver, Indiana. Marjorie Lloyd was married to Stephen Meier in October and is living at 218 T, Dogwood, Park Forest, Illinois.

Class of 1955

Three graduates of this class, who were married to dentists, are now in civilian practice. Suzanne (Gant) and Edward Fiedler, D '56, and son Eric now live at 800 North Azusa Avenue, West Covina, California; Elaine (Lampson) and Norris Lovan, D '56, and Kim, Tod, and Kip now live at 114½ South Sixth Street, Goshen, Indiana; and Marjorie (Lahr) and Kenneth Scales, D '55, and two sons, David and Daniel, live at 2720 Park Avenue, Jacksonville, Florida. Mary Cora (Walker) Jackson's husband was graduated from Purdue in June. They have a second son, Scott Douglas, and now live at 1600 West Bolivar Avenue, Milwaukee, Wisconsin. Marjorie McClarnon is now Mrs. Joe Williams and lives at 109 South Green Street, Greensburg, Indiana. Jane (Rutledge) Jacks lives at 1909 East Altgeld Street, South Bend, Indiana, and has a daughter, Julie Ann. Geraldine (Charnley) McDouglass has a son, Robert Scott. Beverly (Buroker) Hopkins is associated in practice with Dr. Raymond Price and lives at Garrison's Mobile Park No. 35, Lafayette, Indiana. Mary (Sheets) Sand-

ers is now associated in practice with her father in Kendallville, Indiana, and says that the first dental hygienist in town is being well received.

Class of 1956

Janice (Clinton) and Gene Fryar, D '56, have returned from Japan and are living at 140 North Winona Street, Indianapolis, Indiana. Janice is associated in part-time practice with Dr. Gerald Epstein, and her husband is a graduate student in the Orthodontia Department of the dental school. We hear via the grapevine that Betty Jester will soon be married to John C. Nicklas and will live at 409 South Chauncey, West Lafayette, Indiana. In the new addition department in this class the boys outnumbered the girls four to one. The sons are Jeffrey Lawrence to Judith (Patterson) Hodge; Mark Ames to Barbara (Jones) Meyer; Thomas Merl to Betty Jo Knafel; and Robin Bruce to Mary Gwen (Greenlee) Russ. Cindy, daughter of Catherine (Silvey) Shafer was the only girl reported. The Shafer's live at 437 South Mound, Muncie, Indiana.

Class of 1957

Mary Ann (Healy) Hogan is now living at 213 Dogwood Road, Oceanside, California, and is practicing part-time. Her husband is assigned to the Marine Corps Medical Department. Katherine Ann arrived just in time for Corrine (Nowinski) Patton to include her name on their Christmas cards. Jackie (Muehlbauer) French, D '57, has a son, Geoffrey Eric, and lives at 1611 First Street, Leesville, Louisiana. Carol (Hoffman) Cecil has a daughter, Cynthia Lou, and says that they expect to be living in Indianapolis in the fall. In June, Jaclyn Hite was married to Dr. Kenneth Gray, who is interning at LaRue Carter Hospital; and Margaret Fixel was married to Paul Schwartz. In November, Janice Miller was married to George Compton, D '57, and Marilyn Hall was married to James Smith. The Comptons live at 3013-4, Camp Forsyth,

Fort Riley, Kansas and hope to locate in Indiana when they are out of the service. The Smiths live at 7121 South Chandler, R.F.D. 6, Indianapolis, Indiana. Loretta (Massa) Redelman is associated in practice with Dr. Samuel Borden and is living at 108½ South Van Rensselear, Indiana. Betty (Barr) McKee brought her daughter in to see us during the summer. The McKees still are stationed in Newfoundland but expect to return to Indiana this year.

Class of 1958

The card that travelled the longest distance this year came from Carolyn Meserve, who says that they are finding Europe very interesting. They attended the World's Fair in Brussels and plan to take skiing in the Alps in January. Ann Buche writes that she had a bout with homesickness when she first went to North Carolina, but is over it now and working hard in order to complete requirements for the degree by January, 1960. We also hear that she returned to North Carolina wearing a ring with a sparkle on the third finger, left hand. Charlotte Tamler is now working in Indianapolis for Dr. Robert Tarplee, and Dr. John Stone. Marjory Urschel came back in December to take the Indiana Board. She is on the dental hygiene faculty of the University of Louisville School of Dentistry and is very enthusiastic about the work that she is doing. She says that you really get a different point of view when you are teaching. Jacqueline Zumbrun was married to James Hennigar in July and lives at 1415 West 29th Street, Indianapolis; Sue Kraybill was married to Robert Kaiser in September and lives at 506 North Sherman, South Bend, Indiana. In December Ann Reibel was married to Robert Pugh, and lives at 2123 South Jackson, Anderson; and Linda Lobdell was married to Robert Coleman during Christmas vacation. Patricia Cox writes that she is going to be married in March. For

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Alumni Notes

by Mrs. Cleona Harvey, Recorder

It is always a pleasure to read through the letters and cards we receive from alumni, especially at Christmas time. Everyone just seems to be in the mood of good fellowship and although we are writing this a month after Christmas, the feeling is revived as we review the correspondence; please accept our best wishes for *your* happiness in 1959. We hope you will continue to send us greetings and if you can find time to add a little note to let us in on some of the "scoop" about yourself, we shall be grateful. We hope you don't mind us sharing your letters with others. This is the only way some of your classmates know where you are and if you are!

As we have for the past several years, we again start our column with news of the

Class of 1892

Dr. Arthur T. White, whose address is now 676 East California Boulevard, Pasadena, California, writes,

"Since writing you about Dr. Powell's passing, I have been obliged to close my office as my legs refused to carry on advantageously. . . .

"I am feeling fine with the exception of that. I must hobble around on two canes or holding to the furniture. I hope to continue my interest in dentistry, particularly as it pertains to old I.U."

Class of 1894

Dr. James S. Dailey, 3780 Wilshire Boulevard, Los Angeles, California, informs us that "Lew W. Dailey passed away in May, 1957. Dr. Dailey had formerly practiced in Bluffton, Indiana."

Class of 1897

Dr. Charles E. Worth, 2304 College Avenue, Indianapolis, Indiana, called to

say that he had been reading the Alumni Bulletin and thought we might be interested in knowing that Dr. Kirtley (Class of 1897) passed away a short time ago and that this makes Dr. Worth the last surviving member of his class (so far as he knows) and that he is still in practice.

Class of 1907

Dr. Charles A. Eller, 601 First National Bank Building, Albuquerque, New Mexico, retired January 1, 1959. Dr. Eller practiced in Albuquerque fifty-one and a half years. From a news release we learned, "He has had all the honors The State Dental Society of New Mexico has had to give. He was Secretary-Treasurer of the Society for six years, fifty years ago, and was given fifty year honors at the Golden Anniversary meeting at Las Cruces this year. He was an official delegate to the International Dentaire in Rome in 1957.

"He is a member of the Delta Sigma Delta dental fraternity. He served for five years on the State Board of Dental Examiners.

"He will continue to live in Albuquerque as he now considers it his home. He has one son, Dr. Charles Howe Eller, M.D., Director of Public Health, Louisville, Kentucky, and two daughters, Mrs. Wallace Ferguson and Mrs. Warren Graham, both living in Albuquerque."

Class of 1913

We received a change of address from Dr. Raul N. Montero now at 3rd. A. No. 8810, Miramar, Havana, Cuba.

Class of 1916

Mrs. R. D. Garrison, 1704 West Main Street, Fort Wayne, Indiana, writes,

"I wish to notify you that Dr. Roscoe Garrison died July 6, 1958, of a coronary heart attack."

Class of 1917

We gratefully received best wishes for the season from Dr. and Mrs. Carl Frech, 504 Broadway, Gary, Indiana.

Class of 1918

Dr. J. E. Pulley has changed his address to 5320 Lawrence Avenue, Chicago, Illinois.

Class of 1926

Christmas greetings were sent to us from Dr. Howard K. Maesaka, 509 Olive, Wahiawa, Oahu, Hawaiian Islands.

Class of 1929

Dr. and Mrs. James M. Sakurai, 1087 Aala Street, Honolulu, Hawaii, sent holiday wishes.

Class of 1932

We received Christmas greetings from Dr. and Mrs. S. Nakamori, 908 North Kings Street, Honolulu, Hawaii.

Class of 1942

Dr. William Borman, 717 Bankers Trust Building, Indianapolis, Indiana, writes,

"Class of '42—surely must be still somewhat alive—I see George Gwinn regularly—George James was this year's President of the Indianapolis District Dental Society—I have four boys."

Class of 1944

Dr. James S. Van Ausdal, Professional Arts Building, 3820 Fifth Avenue North, St. Petersburg, Florida, writes,

"This is to inform you of a change of address and to announce my partnership with Peter E. Dawson, D.D.S."

Class of 1945

We received a very interesting letter from Dr. and Mrs. Hugh S. Deale, Minga, M.M.C.C., Via Lusambo, Belgian Congo, who wrote,

"Enclosed are a couple of pictures from out here. The Presbyterians just opened their dental school three years ago and graduated the first class this year. One of the graduates, a student from our Batelela tribe, was at the top of the class, and he is now working with me for a year in a sort of internship. He can do a number of things fairly well, especially extractions and the making of dentures. The boys finish the seventh grade in school before they enter the dental school and the dental course is for three years. After they graduate they are given the title of assistant dentist or "aide dentiste" by the state. They will probably always have to work under a dentist . . . As you can see I don't have to always don my white coat out here and as shorts are accepted wear I find them very comfortable. This is a very portable outfit I'm using in the picture. I have a regular dental chair and unit here at my home station. I also have a portable X-ray unit. However I don't have the electricity quickly available when I want it, so I use a foot pedal engine almost entirely and take few X rays.

"Most of my work is extractions and making partial dentures. I work for the Africans, Belgians, merchants of all nationalities, and missionaries of our own mission and others.

"We expect to come home to America in the summer of 1959 for a year's furlough. As we will not leave here until the beginning of June I'm afraid I won't make it to the Indiana State Dental meeting until the next year (1960). I expect to go to school somewhere but we aren't sure yet where we'll live. I'd like to try to get in some varied studies, such as: dentistry, Bible, French, auto-
(Continued on next page)

mechanics, poultry raising; Some combination, eh!?"

Class of 1946

Dr. Marcos A. Dones has moved his offices to The Presbyterian Hospital, Ashford Avenue, Santurce, Puerto Rico.

Class of 1947

Greetings were received from Dr. and Mrs. Marvin A. Tuckman, 18 Garwood Road, Fairlawn, New Jersey.

Class of 1948

Dr. Thomas M. Boyd and family sent greetings from their home at 2212 Wheeling Avenue, Muncie, Indiana.

Lt. Col. R. H. Marlette, 060102, 576 Medical Detachment, A.P.O. 252, New York, and his wife, sent us a card from Paris saying.

"A short note from two old travelers. Stationed in Krenznach, Germany. Field duty is sure interfering with our European vacation but we sneak away every chance we get. Camped at foot of Matterhorn in June, World Fair in July, Paris in August and Rhine River resorts every evening we can. Krenznach is ancient city in the Rhineland with Roman ruins B.C. We have lovely quarters and a great professional group at hospital. Still convinced Army was right choice for us. This life is the greatest!"

Class of 1949

We received Seasons greetings from Dr. Sam Laudeman, 1641 Main Street, Elwood, Indiana, Dr. Ernst Rosenthal, 1266 Oliver Avenue, Indianapolis, and Dr. Wigand Kenter, 218 East Kirkwood, Bloomington, Indiana.

Class of 1950

Dr. Henry Heimansohn has changed his address to 16½ West Main Street, Danville, Indiana.

Dr. Ralph E. Laybold's new address is 381 North Harrison, Spencer, Indiana.

Class of 1951

We received a note from Dr. D. E. Alexander, 2303 South Calhoun Street, Fort Wayne, Indiana.

A letter from Dr. G. F. Cunningham, 12035 South Elmcraft Street, Norwalk, California, reads,

"I hope this finds you in good health and spirits. I would not go so far as to say that I often think of you folks, as wherever we are it seems that there are too many pressing daily problems to think much of the past, not that we have forgotten. . .

"My wife, nine month old daughter, and I will be coming to Indiana at the Christmas Season. . .

"Best of regards to you and any who may be around there."

Class of 1952

Dr. Rafael I. Aponte, Ponce, Puerto Rico, sent holiday greetings.

We also received a card from Dr. and Mrs. Rowland E. Applegate, 2852 McConnell Drive, Los Angeles, California, extending best wishes for the coming year.

Dr. Ernest H. Besch, 1007-1008 Medical Arts Building, San Antonio, Texas, writes as follows:

"I've been on the faculty of San Antonio College for over a year now and all of a sudden they find out there's no transcript down there for me. Think they got a little suspicious when I signed my name with an X.

"Am still attending St. Mary's U. in the evenings and really enjoying it. Like a punch-drunk fighter: keep going back for more."

Dr. David Frye, Jr., Mrs. Frye and their five children, Electrical Service Company Building, Hickory, North Carolina, sent holiday greetings.

Dr. Simon Kleeger and wife, Herme, sent greetings from 95 East Market Street, Rhinebeck, New York.

Dr. Rodney Phelps of 6512 East Washington, Indianapolis, Indiana, visited us

recently to say he and his family were well and the latest news they had had from Dr. Harold Glasser and family had them living in West Virginia.

Class of 1953

We received holiday greetings from Dr. and Mrs. William Crawford and family, 3311 North Meridian Street, Indianapolis, Indiana.

We received Christmas greetings from Dr. and Mrs. T. A. Garman and family, Box 14, Navy 214, F.P.O., New York.

Class of 1954

Dr. Robert Johns, 606 Eley Road, Ben's Lake, Elgin Air Force Base, Florida, sent Seasons greetings.

Class of 1955

We hear that Drs. Werner and Ursula Bleifuss "have their lovely home at 18786 San Quentin Avenue, Lathrup Village, Michigan, fashioned in the European manner with a grand piano and a book-case sectional from Germany which covers a complete wall. They are now having more of the furniture used in their former home in Germany brought over to complete their furnishings here. . .

"Young Jurgen, their fourteen year old son, is currently attending Southfield high school, where he is adding French and Latin to the list of languages he has mastered."

Dr. and Mrs. Stuart Everard with a change of address to 1405 Inglewood Court, Falls Church, Virginia, sent a short note with their holiday greetings as follows:

"Our Christmas greetings have always included a change of address and again we have followed the ritual but this time we have acquired space and mortgages that will be difficult to evade for many a year. . .

"Sincere regards to all."

Dr. Charles L. Greif sent us a change of address, 6 Manti Court, Indianapolis, Indiana.

Dr. Leonard D. Hollingsworth is now in Indianapolis and his new address is General Hospital.

We have received a change of address for Dr. J. Ellis Rue, who is now practicing at 128 East Sixth Street, Bloomington, Indiana.

Class of 1956

Dr. James A. Christian is practicing at 3131 Northwestern Avenue, Indianapolis, Indiana.

We received greetings from Dr. and Mrs. Louis D'Angelo, Box 67, Fort Yates, North Dakota.

Dr. Frederick H. Fillmore announces the opening of his office at 402 Northwestern Avenue, Suite 106, West Lafayette, Indiana.

We were pleased to receive Christmas greetings from Dr. Young Ok Lee, College of Dentistry, Seoul National University, Seoul, Korea.

Dr. Ronald G. Melser announces the opening of his office at 503-504 J.M.S. Building, South Bend, Indiana.

We received a change of address for Dr. Jame L. Pittman now at 121 West William, Apt. 3, Ann Arbor, Michigan, and a note,

"Just a note to let you know my new address. I am starting graduate work in Dentistry for Children at the Kellogg Foundation Institute here at the University of Michigan. If everything goes well, I will be here eighteen months after which time I will move to Flint, Michigan, for twelve months at the Mott Foundation Children's Health Center."

Dr. David N. Roberts sent us his new address at Box 1647, Cortez, Colorado.

Class of 1957

I understand that Dr. Johnston had a letter from Dr. John Austin! Apparently he is fine, but his letter was not to be quoted!

Dr. Pedro G. Colon's new address is Box 36, Maguabo, Puerto Rico.

(Continued on next page)

A note from Dr. Ronald L. Hauswald, 4705 East Prichard, Fort Knox, Kentucky, is as follows:

"I was just thinking the other day that activity around the 'halls of ivy' would be getting into full swing about now. I'm sure that there is even more going on around on West Michigan now that the freshmen are there in addition to the upper classmen.

"My wife and I had a 'blessed event' last August 5, a son, Gregory Lynn. He hasn't decided whether to be a dentist yet but he's thinking it over.

"I have been rather fortunate here at Fort Knox in that I have been in charge of oral surgery for our clinic for the last four and a half months and it looks like several more weeks before the new oral surgeon arrives. I have gotten invaluable experience doing impactions, cystectomies, alveolectomies, etc."

Dr. William Eugene Lush announced his marriage to Miss Elizabeth MacKinney on October 25, 1958, in Ben Guerir, Morocco.

Christmas greetings were received from Dr. Robert H. Owens, University of Pennsylvania, Graduate School of Medicine, Philadelphia, Pennsylvania.

Dr. and Mrs. Bill W. Sandefur, 964½ North Holmes, Indianapolis, announce the arrival of Kim Leslie, December 3, 1958.

Captain and Mrs. Waldo S. Scales have changed their address to DC, USAR, 05500591, Clinic No. 2, Fort Chaffee, Arkansas, and he wrote,

"I am now in the army serving my two years here on the Fort Chaffee Base."

Class of 1958

Dr. and Mrs. Hector M. Davila Alonso, University of Puerto Rico, School of Dentistry, San Juan, Puerto Rico, sent Christmas greetings. Dr. Davila, as many of you will remember, spent two years at the dental school as a graduate student in the Crown and Bridge department. He received the M.S.D. degree in June, 1958,

and is presently teaching Crown and Bridge and Dental Materials in the University of Puerto Rico School of Dentistry.

Dr. and Mrs. Howard Berkowitz, 3248 Falcon Drive, Indianapolis, announced the birth of a son, Gregory Louis, August 29, 1958.

Dr. Robert E. Fisher announces the opening of his office at 3836 East Michigan Street, Indianapolis, Indiana.

We received the following news from Dr. and Mrs. Jarl Malwin, P. O. Box 1267, Venice, Florida.

"Jarl is doing wonderfully, and the Lord has blessed us more than we deserve. Jarl had to do a lot of dental educating at first, but now he seems to be moving right along. Dr. Thompson, Jarl's associate, owns one of the most beautiful and modern clinics I have ever seen. The waiting room even has wall to wall carpeting. The building is made of a cream color limestone, and the top is paneled with wood painted a turquoise that compliments the stone nicely. A large dental insignia is mounted on the front. . .

"There are a total of four dentists in Venice, and all are quite nice. We truly love it here and find Florida living wonderful. We will be flying home in December for Christmas. . .

"About the only news we have for the Alumni book (by the way, we enjoy it very much), is the fact that on September 15, 1958, Knute Ragnar, our second son, arrived. He weighed 6 lb. 12 oz. for the record."

We were grateful to receive Seasons greetings from Dr. G. B. Shankwalker, Sir C.E.M. Dental College and Hospital, Bombay, India.

Dr. David E. Willian, 4916 St. Lynn Lane, Carmichael, California, writes,

"Since June I have been stationed at Mather Air Force Base (Sacramento, California) which was just recently converted from a temporary to a permanent installation. I am very fortunate in being stationed at Mather since the ocean and

the mountains are only one hundred miles from our home.

"On our trip out to Sacramento some of the interesting sites we saw were the Badlands, Mount Rushmore in the Black Hills of South Dakota and Yellowstone where we spent a few days. After Yellowstone we went through the Grand Tentons and from there proceeded to Sacramento through Salt Lake City and Reno. Since we have arrived in Sacramento we have seen several of the historical places for which California is famous. The gold discovery site at Colma, Sutters fort here in Sacramento, and San Francisco, just to name a few of the places we have seen.

"A friend who is also in the AF and I went on a charted deep sea fishing trip out of San Francisco and proceeded to catch our limit of salmon weighing approximately twenty pounds each. The only trouble was that the seasick pills I took did not work.

"If any of the boys want to take the California board, I shall consider it a pleasure to secure patients for them. Please have them contact me at least three months prior to the board.

We have a change of address for Dr. George E. Winder as 631 West Seventh Street, Rushville, Indiana.

We received greetings from Dr. Hala A. M. Zawawi, 12 Darabiha Road, Cumballa Hill, Bombay, Indiana.

Dr. Alegria C. Zita, 1357 Felina Paco, Manila, Philippines, sent holiday greetings.

And now for the addresses of the Class of 1929! As usual we sent out questionnaires to the members of the class and these data are the results of their replies. An asterisk before the name indicates 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, and so forth!

Class of 1929

Abbott, Charles F.
Deceased

*Abrams, Stanley R.
Address Unknown

Allen, Paul A.
212 North Swope Street
Greenfield, Indiana

Armstrong, Harold M.
1632 Southwood Avenue
South Bend, Indiana

Bailie, Harry
1105 White Oak Drive
South Bend, Indiana

*Baldwin, John W.
323 First National Bank Building
Springfield, Ohio

*Baltzell, Fay B.
1621 Virginia Avenue
Connersville, Indiana

Barkley, Robert S.
5 East Church Street
Oxford, Ohio

Barnard, Byron F.
219 Noble Street
Greenwood, Indiana

Bickel, Maurice E.
125 West Wildwood
Fort Wayne, Indiana

*Carney, Bruce H.
Address unknown

Clark, Roy P.
309 North High Street
Brownstown, Indiana

Connley, Edwin H.
Deceased

*Crawley, Orville E.
Danville, Indiana

Crossen, James J.
2060 Cold Spring Road
Indianapolis, Indiana

Doty, L. D.
1215 Illsley
Fort Wayne, Indiana

Downey, Raymond C.
1030 Forest Hills
Calumet City, Illinois

(Continued on next page)

- Druley, Myron J.
1236 Woodside Drive
Anderson, Indiana
- *Ellis, James A.
918 Baker Street
Elkhart, Indiana
- Evans, Arthur L.
835 West 46th Avenue
Gary, Indiana
- *Farmer, John C.
Dale Street
Oakland City, Indiana
- Felknor, Joe B.
437 Vine Street
West Lafayette, Indiana
- Fly, William L.
2530 Alabama Street
El Paso, Texas
- Fountain, Thomas L.
Medora, Indiana
- *Frakes, John W.
Hammond Building
English, Indiana
- Gavin, Morris
3901 South Meridian Street
Indianapolis, Indiana
- *Glick, Horace M.
20 Lafayette Loan and Trust Building
Lafayette, Indiana
- Grant, William L.
425 Weston Street
Rensselaer, Indiana
- *Grove, Robert A.
Address unknown
- Hall, Donald H.
Deceased
- Harrold, Joseph W.
Deceased
- Hibbs, George W.
Deceased
- *Horner, Robert W.
4119 Monroe Street
Toledo, Ohio
- Jetter, Charles V.
6102 North Oxford
Indianapolis, Indiana
- Johnson, Donald A.
308 West David Road
Dayton, Ohio
- Keller, Alfred F.
West Spring Street
Bluffton, Indiana
- Kem, Charles E.
R.R. 3
Richmond, Indiana
- *Kerr, Edward P.
Address unknown
- *Kinstle, Robert F.
Address unknown
- *Kridler, Wayne J.
205 Hillside
Greencastle, Indiana
- Lawler, William V.
5731 East Washington Street
Indianapolis, Indiana
- Longenecker, Maurice C.
4416 East Jackson Road
Elkhart, Indiana
- McCurdy, Howard A.
Deceased
- *McGregor, John W.
712 North Main Street
Evansville, Indiana
- *Magnuson, John E.
809 Jefferson Avenue
LaPorte, Indiana
- *Martin, John Edwin
Ansonia, Ohio
- *Massey, George F.
631 Columbia Street
Lafayette, Indiana
- Maybruck, Michael N.
1719 Midvale Road
Springfield, Ohio
- Merritt, William R.
16 St. Joseph Manor
Elkhart, Indiana

- Miller, Warren T.
Deceased
- *Mills, Robert R.
2618 Exeter Drive
Tucson, Arizona
- *Murray, Henry H.
2453 Martindale Avenue
Indianapolis, Indiana
- *Nauss, Ray John
110 North Street
Washington Court House, Ohio
- Nelson, Robert H.
R.R. 3
Lebanon, Indiana
- *Oldham, Gale Russell
60½ East Morgan Street
Martinsville, Indiana
- *O'Morrow, Walter Harris
Address unknown
- Pifer, George W.
3149 River Road
Toledo, Ohio
- Purkey, Alonzo E.
Morocco, Indiana
- *Rice, William B.
422½ Fifth Street
Columbus, Indiana
- Rigsbee, Marvin W.
Deceased
- Sakurai, James M.
2715 Tantalus Drive
1661 Lincoln Avenue
Honolulu, Hawaii
- *Schafer, Edward T.
Evansville, Indiana
- Schilling, Clarence C.
Highway 42
Florence, Kentucky
- Seal, Justin F.
Deceased
- *Semen, John J.
Address unknown
- Sheets, Pauls S.
107 East Diamond Street
Kendallville, Indiana
- Silver, Golden P.
224 North Meridian Street, Suite 53
Indianapolis, Indiana
- *Sipple, Kermit W.
34 West Fourth Street
Clay City, Indiana
- Spahr, James E.
5846 North Oxford
Indianapolis, Indiana
- Stafford, William C.
R.R. 1
Hope, Indiana
- Strange, William P.
633 East Maple Road
Indianapolis, Indiana
- Streets, Bernard W.
2534 Lincoln Way, West
South Bend, Indiana
- Thomas, Thomas S.
10 Woodview Court
Lafayette, Indiana
- *Toon, Carter H.
No trace
- Turner, Herbert C.
Box 137
Russells Point, Ohio
- Unger, Edward H.
420 Beech Park Drive
Greenwood, Indiana
- *Vogel, Harold P.
Sellersburg, Indiana
- Volle, Walter E.
213 South Dunn
Bloomington, Indiana
- Weaver, Daniel S.
821 Grand Avenue
Connersville, Indiana
- Wells, William E.
Box 325
Newburgh, Indiana

(Continued on next page)

Wilcox, Clarence H.
728 Huntington Boulevard
Arcadia, California

Wilkes, Stanton A.
202 Washington
Columbus, Indiana

Inasmuch as the Class of 1908 celebrated their fiftieth anniversary last year we asked them for a revised roster of addresses to list for your information.

Class of 1908

Avery, Samuel K.
5217 Holman Street
Hammond, Indiana

Barr, G. W.
Boonvilles, Indiana

Beeson, John H.
308 South Grant Avenue
Crawfordsville, Indiana

Biery, Oral E.
308 Peoples Life Building
Frankfort, Indiana

Boys, Nelson DeWitt
First National Bank Building
Shelbyville, Illinois

Brown, Charles C.
Address unknown

Carlton, Frederick A.
Deceased

Carter, Orval Oris
138 East Washington Street, Suite 302
Indianapolis, Indiana

Chattin, Robert A.
Deceased

Davis, Frank M.
Deceased

Dunfee, Clyde H.
123½ West Garro Street
Plymouth, Indiana

Ficken, Arthur R.
Deceased

Gambrel, John B.
Deceased

Hall, Emmett O.
Box 88
Auburn, Indiana

Hanks, Elmer E.
Deceased

Hendrickson, W. A.
Deceased

Ivins, Marle W.
518 East Jefferson Street
Fort Wayne, Indiana

Johnson, Walter E.
Deceased

Jones, Elmer C.
Deceased

Jordan, Jesse M.
Rest Haven, R.R. 4
Plymouth, Indiana

Lackey, Oscar H.
Deceased

Lambdin, Charles A.
201 American National Bank Building
Vincennes, Indiana

Lapinska, Lawrence W.
Deceased

Laughlin, Edmund
135 Seventeenth Avenue
St. Petersburg, Florida

Laymon, G. D.
Deceased

McAninch, Fred L.
Deceased

McKey, Arthur D.
Deceased

Messner, Clinton T.
Deceased

Moag, James A.
4453 Central
Indianapolis, Indiana

Moelk, Frank H.
724 Main Street
Richmond, Indiana

O'Brien, Walter F.
1226 Kearney Street
Denver, Colorado

*Paris, Paul Perry
R.R. 2
Martinsville, Indiana

Peet, William W.
764 Bankers Trust
Indianapolis, Indiana

Repass, Grover C.
Deceased

Reynolds, Hugh W.
Deceased

Roth, Melvin J.
Colfax, Indiana

Ruff, George O.
130 South Central Avenue
Paris, Illinois

Sheldon, R. O.
Deceased

Singer, Daniel W.
Address unknown

Smiley, Roy D.
1330 West Michigan Street
Indianapolis, Indiana

Snyder, Athol M.
Deceased

Snyder, C. T.
Deceased

Stockberger, Vernon C.
Milford, Indiana

Thomson, James A.
Deceased

Throop, James A.
26½ East Washington
Greencastle, Indiana

Tucker, Leslie S.
Deceased

Whitmore, G. A.
Deceased

Zike, Charles W.
Manilla, Indiana

To Our Alumni

Our mailing list is revised each year; yet we know that many of you receive your announcements only after they have been forwarded, possibly several times.

Please give us your correct address below—mail it to us before you forget it. You will help us very much by doing this.

Name

Class

Street Address

City

State

Old Address

Class and Fraternity Notes

SIGMA PHI ALPHA ESTABLISHED

Sigma Phi Alpha, a national dental hygiene honorary society, became a reality at the Dental Hygiene Conference of the American Association of Dental Schools in March, 1958. A constitution and by-laws were adopted and a committee was appointed to design a key and a seal.

The object of the society shall be to recognize and honor scholarship service and character among students of dental/oral hygiene.

The constitution provides for component chapters which will consist of faculty, charter, alumnae, and honorary members. Alumnae members will be limited to 10% of each class and will be selected from the upper 20% of the class. The class graduating in 1959 will be the first to receive recognition as senior students. Alumnae of any school in which a chapter has been established since their graduation may be elected to membership, providing their standing as students would have made them eligible to membership and they have maintained an ethical and unblemished record since graduation.

Indiana University School of Dentistry has been designated as Theta chapter of Sigma Phi Alpha. Alumnae who are eligible for membership will be notified and invited to be present for an installation ceremony during the Honors Day program in June.

ALPHA OMEGA

The I.U. Chapter of Alpha Omega has gotten off to a good start this year.

We have been attending dinners about twice a month given by our Alumni chapter. After dinner they have had eminent speakers from both the fields of dentistry and medicine. We find that these lectures are furthering our education and broadening our outlook on dentistry.

We have three new men joining our ranks this year. They are Bernard Newbauer, sophomore, Mike Gross and Myron Kasle, freshmen. Both Newbauer and Kasle are from Indianapolis and Gross is from New York.

Our President, Jerry Goldsmith, is attending a National Convention of Alpha Omega during Christmas vacation in Cleveland, Ohio. He is representing our undergraduate chapter.

We are looking forward to our Senior Farewell Banquet in the Spring. This year we have three seniors in our ranks. They are

Jerry Goldsmith, Stanley Herman, and Marvin Nattel.

We are looking forward to an exciting year both educationally and socially.

Stanley Herman

DELTA SIGMA DELTA

The undergraduate chapter of Delta Sigma Delta would like to wish all a happy new year. From all appearances thus far, it will be a good year for our fraternity.

As we enter this year, we can evaluate the energies put toward construction of a new interior to the chapter house. The past six months has seen the plastering and painting of rooms, building of a new laboratory, purchasing of new furniture, the re-covering and reupholstering of the furniture we have been using, and replacing the old stoker with a new oil burner. In an effort to keep the house in this rebuilding state, we have employed a part-time house man.

Plans for the new year have been made for both the under-graduate and graduate members. We hope to unify both associations into a well knit group. The first meeting of this combined group will take place Friday night, February 13th, 7:30 p.m., at the chapter house. The program for the night will consist of the initiation of new members, followed by a congratulatory smoker. The following night there will be an initiation dance. We hope to see all Delta Sigs at one or both of the functions, and our invitation to visit the chapter is open at all times.

Don Arens

PSI OMEGA

Greetings in the New Year to all alumni of Psi Omega. Once again we are well into a school year with requirements barely keeping up with time.

To recall the past events of Psi Omega we will begin with last summer. It was a busy summer for the active chapter through whose efforts everything at the chapter house was painted, cleaned, repaired, or replaced. New additions to the house were a fraternity sign, pictures of Past Grand Masters, acoustic ceiling in the TV room, a basement lounge, a fireplace grill, and a basketball court.

In the fall 19 men were initiated into the bonds of Psi Omega. To date approximately

19 freshmen have accepted the Psi Omega pledge pin. This influx of new men is filling our roll book to a record high.

Our social life has been rounded out by monthly dances at the fraternity house. We had a wonderful Christmas dinner dance this year at Meridian Hills Country Club. There was a record turnout of Alums with a few spontaneous speeches as this group was introduced.

Well, I suppose after the usual swathing of cold towels on our noggins we will recover from New Year's Eve and the second half of this school year will slip through our learning fingers. We are looking forward to an active spring at Psi Omega as we stampede into June. A warm welcome is extended to each Alum as the doors of Psi Omega are always open. See you in the next issue.

Larry K. Hodge

XI PSI PHI

The Zips are in a new house. As many of you know, the old one was on north Park Ave. The present house, though small, is rapidly becoming the center of our activities. We have set up lab facilities, and renovated the attic into a dormitory for sleeping purposes.

Our social functions are now handled differently. Because of the size of the house, we are unable to hold the dances there. Therefore, by renting various halls, we find that there is actually more room and facilities for these functions. Also, there are no more clean-up details to worry about the morning after.

Our rush activities this fall have been enjoyed by all. They consist of a dance and a stag. The dance was held in the Discovery Room of the Knights of Columbus hall. The music was provided by the Herman Koers band. The group is unique in that it played very danceable music that was enjoyed by all. The evening came to a close with a rousing "Bunny Hop" which is a standard at all ZIP dances.

During the intermission at the dance, our president, Robert Gordon, outlined the purposes, activities, and objectives of our fraternity.

John Kail, one of our pledges, entertained the group with a sleight of hand demonstration. A buffet supper was held and then the dance resumed.

We Zips have been fortunate to have the capable leadership of Bob Gordon as our President since January of 1958. It was a tough job that Bob inherited, and it was made tougher still by the sudden move of the fraternity. We believe no other person could have handled the job as well.

The future at this time is rather uncertain. We would like to find a larger house, one that would fulfill our needs. This is the biggest problem facing us at the present. Election of officers is drawing near and matters of importance will continue to arise. With the knowledge that what is untried is not yet lost we of Xi Psi Phi look toward 1959.

FRESHMAN CLASS

The Indiana University Dental Class of 1962 had the distinction this year of being the first freshman class to have studies on the Indianapolis I.U. Medical Center. The seventy-eight members of the class were greeted during their orientation period by Dean Maynard K. Hine, by members of the faculty, and by greatly expanded facilities in the new Medical Science Building on the campus. They found these facilities much better than those which any of the previous classes had enjoyed.

Many new curricula were added to the freshman schedule while other curricula were either revised or altered considerably. For example, the dental techniques course was lengthened to a four hour course for two semesters. Many varied projects were offered to give the freshman early experience in taking impressions, making study models, and making partial dentures.

Officers were elected early in the year with the freshman choosing Dale A. Benefiel to act as president. Other classmates chosen to lead the class were William R. Mead, vice president, Richard L. Day, secretary, and David J. Harris, treasurer. James A. Shupe and William F. Schultz represent the class at student council meetings.

Socially, the freshman dental students were invited to take part in all the university functions. These included an administration and faculty reception, the annual Christmas "Sno Ball" formal dance, the Dental Dames sponsored Christmas Dance, and the annual Dental Christmas party given in the School of Dentistry Library. The class of '62 was also the first freshman class to be rushed and pledged by fraternities during their first semester. Thirty-eight members of the class became affiliated with the three national dental fraternities, Psi Omega, Delta Sigma Delta, and Xi Psi Phi. Psi Omega pledged Richard E. Barb, Richard S. Buchanan, William H. Foulkes, James D. Frey, John F. Hasler, William F. Hohlt, Howard L. Imboden, Robert R. Irwin, Bernard C. Kerkhove, Vern Ketner, John L. Nichols, Robert L. Parkinson, John D. Rodkey, Richard R. Rollins, Fred V. Sanders, William F. Schultz, Donald F. Sheller, Thomas
(Continued on next page)

L. Sherman, Stephen D. Staggs, Stephen W. Stamper, James A. Van Horn, Clarence E. Wentz.

Delta Sigma Delta successfully rushed: Jimmie F. Bales, Dale A. Benefiel, David W. Boren, John R. Cavanaugh, Norman E. Chamberlain, John P. Hom, Earl Wayne Jackson, David A. Kirchoff, Noritaka Kitajima, Phillip W. Kolb, William R. Mead, Jose I. Ramos, John M. Ring, Keith J. Robers, James A. Shupe, and Robert J. Witham.

As of this publication date, the Xi Psi Phi Fraternity had not announced their final list of pledges for 1959-60.

William H. Foulkes

SOPHOMORE CLASS

The class of '61 has sixty-nine members—so large that an overflow of nine must work in a first floor lab. In class elections this year, Tom Graffis succeeded Bill Watts as president; Jim Hurst for Burt Cleveland as vice-president; and John Newlin for Bernie Neubauer as secretary-treasurer. Bill Rubach and Bob Ricci were elected as student council representatives.

The majority are married, and bachelors are becoming fewer. Marriage and school cost money; therefore many students work in research, hospitals, and outside part-time employment. This also helps to pay for gold cast or ground away either on an inlay or partial!

Recently some students have had first-hand experience in the clinic; all agreed that clinic work, after the "buck fever," is an education in applied psychology.

Tom Graffis

JUNIOR CLASS

September found us entering into our first years of clinical experiences. We suddenly found ourselves faced with the application of many of the basic techniques and knowledge which we had struggled so hard to acquire and master in the previous two years of dental school. Such problems as the application of the rubber dam, the usage of the dental mirror, and injection techniques were just a few of the obstacles that had to be overcome. However, after a few hectic weeks we finally found ourselves a little more at ease with these new experiences.

At the first of the year a special orientation program was presented at the Psi Omega Fraternity house with guest speakers from the faculty representing each department of the school. Here we were given additional helpful instruction which cleared up questions that

had arisen concerning clinical records, procedures, and decorum pertaining to the main clinic.

New class officers were elected at the first class meeting of the year. They were:

President—Monte O'Conner
Vice Pres.—James Myer
Treasurer—Donald Oljace
Secretary—George Bulfa

Throughout the fall semester regular meetings were held which dealt with problems that arose and needed the immediate attention of the class members.

We found little time during the remainder of the fall for social life; however we did have one function presented by Ransom and Randolph Company in which an entertaining address was given by Professor Herbert F. Schwomeyer, Dean of Men of Butler University. This address was followed by table clinics and discussions.

The holiday season will be noted by a dinner-dance given by the junior class for its members and guests. This affair is to be held on the 19th of December, the dinner being held at the Hawthorn Room in the city of Indianapolis followed by dancing out.

Tentative plans are in the formative stage for a basketball team in leisure hours which will represent the dental school in one of the city's recreational leagues. We are looking forward to the holiday vacation and are anticipating our first taste of clinical crown and bridge which is followed by final examinations ending another busy semester.

SENIOR CLASS

We as seniors have reached the last lap in our training at I.U.S.D. Soon we will continue our education into general practice, military service, research, or what have you.

We began the year with election of class officers. They are: Robert Hirschman, Pres.; Jerry Goldsmith, Vice Pres.; Gene Hedrick, Sec.-Treas. Student council members elected were Larry Beachy and James Vest.

Irvington Dental Laboratories sponsored a party for the class just before Thanksgiving. Relationships of the dentist and the dental laboratory were discussed before the serving of refreshments. Other parties for the class are being planned in the second semester.

Plans are underway for many activities and projects throughout the year. James Grimes is chairman for the Jr. A.D.A. Day on May 1. Many interesting clinics are being prepared for this event. Plans for the Senior Razz Banquet are also being considered.

Thus, with these social and professional programs to look forward to, we must still keep in mind the finishing of requirements, senior paper, symposium, and National Boards.

Gene Hedrick

Post-Graduate Courses

The Committee on Post-graduate Instruction is preparing a series of symposia and courses for the 1959-60 school year. Dates and guest teachers are tentative at this time but courses will be offered in Clinical Oral Pathology and Oral Medicine, Operative Dentistry, Pedodontics, Crown and Bridge, Complete Denture and Partial Denture, Dental Assisting, and Laboratory Procedures in Partial Denture Construction for Technicians.

Symposia under consideration will cover Indirect Techniques in Restorative Dentistry, Partial Denture Design and Construction, Interceptive Orthodontics, and Jacket and Veneered Gold Crowns.

The course in Clinical Oral Pathology and Oral Medicine, designed as a refresher course to help the practicing dentist to keep abreast of current developments in these fields, is a new one. It will be held on consecutive Wednesdays from 9:00 until 5:00.

Each morning and afternoon session will consist of informal discussions covering such conditions as disturbances of development and growth (including cysts and benign and malignant tumors), infections, physical and chemical injuries, oral manifestations of metabolic diseases and diseases of the skeletal system, blood, skin and nerves. The material will be extensively illustrated by kodachrome pictures of clinical cases and appropriate radiographs. Principles of treatment of oral diseases will also be discussed.

Throughout this course, emphasis will be placed on the more common oral diseases but sufficient time will be devoted to other conditions to assure the dentist of an understanding of both systematic and local implications of the less common diseases.

The Crown and Bridge course will be offered on five consecutive Thursdays and will be preceded by the symposium on Jacket and Veneered Gold Crowns. One demonstration bridge, and possibly two, will be constructed by a University staff member. Contour of facings will be stressed.

There will be two courses in Partial Denture Design and Construction. One will be given on four consecutive Thursdays, the other on consecutive days. Demonstration partial dentures will be built by the staff.

An announcement of all courses, symposia and guest teachers will be made in the summer.

*John F. Johnston, Chairman,
Post-Graduate Committee*

HIGH-SPEED

(Continued from page 6)

speed range; however, the consensus of opinion^{1,2,3} is that the carbides are more efficient and for this reason are used for most cutting operations at this speed.

Evaluation

Three high-speed ranges are now available and in use by the dental profession. High-speed enables the operator to present more surface of the cutting tool to the tooth substance in a given period of time thus producing a more efficient cutting or reducing pattern.

Standard high-speed because of its similarity in design of equipment and method of application to that of conventional speed enables the operator to make a transition into high-speed more easily than other methods. Also because of the similarity of design, it is more universal in its application to most handpiece usages. Standard high-speed is considerably more efficient than conventional speed and if used properly does not produce irreparable damage to the dentine and pulp.

(Continued on next page)

Super high-speed instruments are more refined and complicated than standard high-speed and as a result are costlier, require more maintenance and are less universal in their application. High efficiency when cutting or reducing tooth substance along with ease of application makes this speed zone a practical and desirable method of instrumentating cavities. When used with coolants and lubricants and normal caution and consideration, no undue adverse dentine and pulpal response has been observed.

Ultra high-speed, either with mechanical or turbine handpieces, affords the operator a means of making cavity preparations with almost fantastic ease and conservation of time. Ultra speed instruments are specialized pieces of equipment which are limited in their use to tooth cutting or reduction. Once the operator and patient become familiarized with the characteristics associated with the use of this speed zone, acceptance is nearly always universal. Reasonable caution must be exercised with this speed zone as with any rotary instrument.

One comment relative to any high speed range method of instrumentation should not be overlooked when summarizing the evaluation of high speed: All of the speed ranges are so efficient that the so-called "feel" of the direction of the enamel rods or lines of cleavage are lost to the operator. It is just as easy to cut "cross grain" to the directional pattern of the enamel rods as along or with them; as a consequence, the cutting and leaving in the preparation of enamel walls with incomplete enamel rods at the cavo surface angle becomes a possibility unless the operator is careful to apply his knowledge of the histological pattern of the enamel toward the securing of sound cavity walls.

Conclusions

High-speed in dentistry is primarily the process of presenting an increased amount

of the surface of the cutting or abrading tool to tooth substance to produce more efficient and easier cutting or reduction. There are three recognized speed zones in general use, any one of which is safe, efficient and practical within the limits of its design or capacity. The selection and use by the operator of a type of high speed should be dependent upon his specific requirements.

The selection and use of any one of the speed ranges by an operator would be dependent upon the specific requirements he might want from an instrument and not upon a name, number of revolutions, or mechanical principle involved.

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2. McEwen, R.D. Clinical observation of super speed (150,000 r.p.m.) cutting instruments for one year. 97th Annual Session A.D.A. Atlantic City, 1956.
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REPORT FROM ALUMNI ASSOCIATION

(Continued from page 10)

one of great worth and inspiration to all of us. Our dental speaker and program is not yet completed but again it will be elevating and instructive.

Our meeting on the campus adds zest to Lillie and me each year; we meet our friends, learn new members, renew points of interest on the campus, and believe that our state is doing alright in educating our youth.

Our progress depends on each of you, our members. Let's bring in new members and make our association continue to be the best organized alumni group in the American family.

Willard H. Damm, President

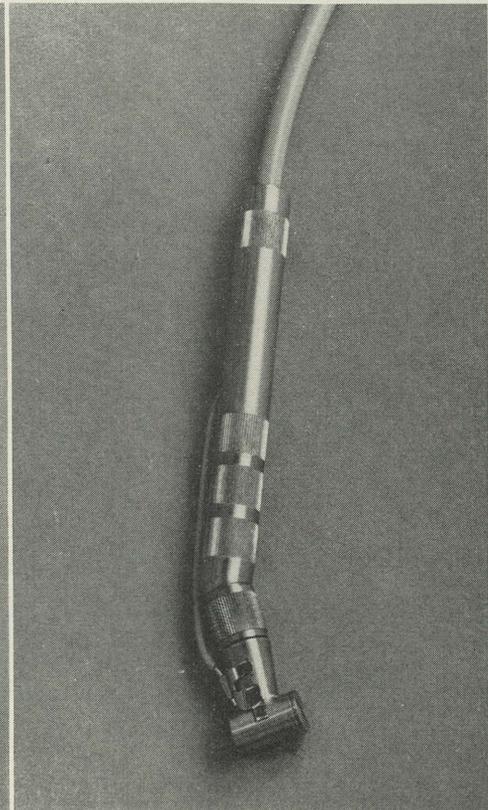
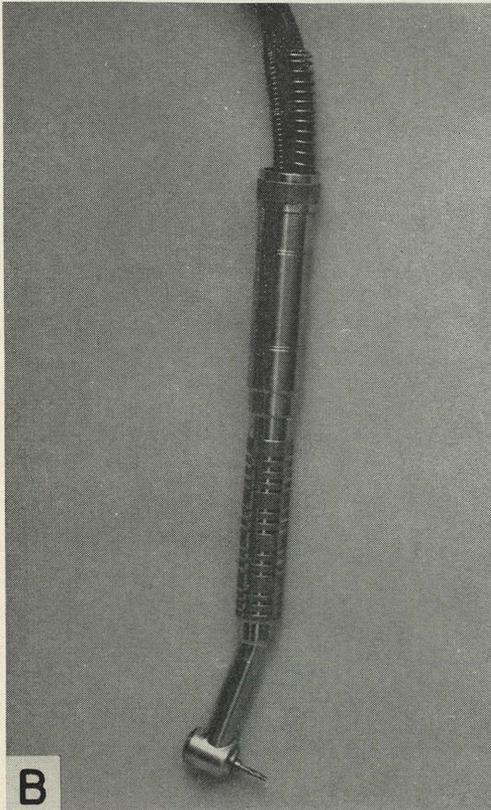
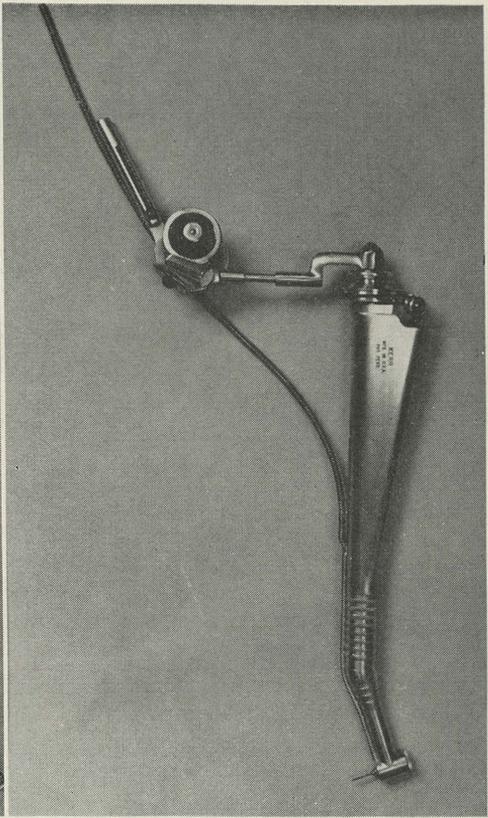
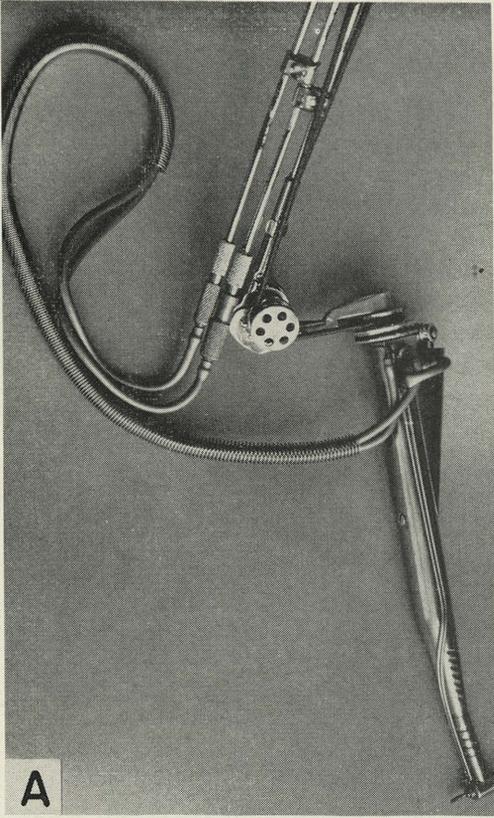


Figure 3. A. Gearless belt driven contra-angles. B. Air turbine hand pieces.

DEAN HINE REPORTS

(Continued from page 11)

I wish to thank the many friends who were kind enough to send me Christmas cards again this year. It was particularly pleasant to receive those from foreign countries. As a matter of fact, I prepared an exhibit of foreign cards which proved to be quite interesting and attracted much attention.

I also wish to thank those who sent flowers and cards following the death of my father, Dr. Clyde L. Hine, who died on January 3, 1959, after a short illness. He graduated from Indiana Dental College in 1904. Dentistry owes much to dedicated general practitioners such as my father.

DENTAL HYGIENE

(Continued from page 15)

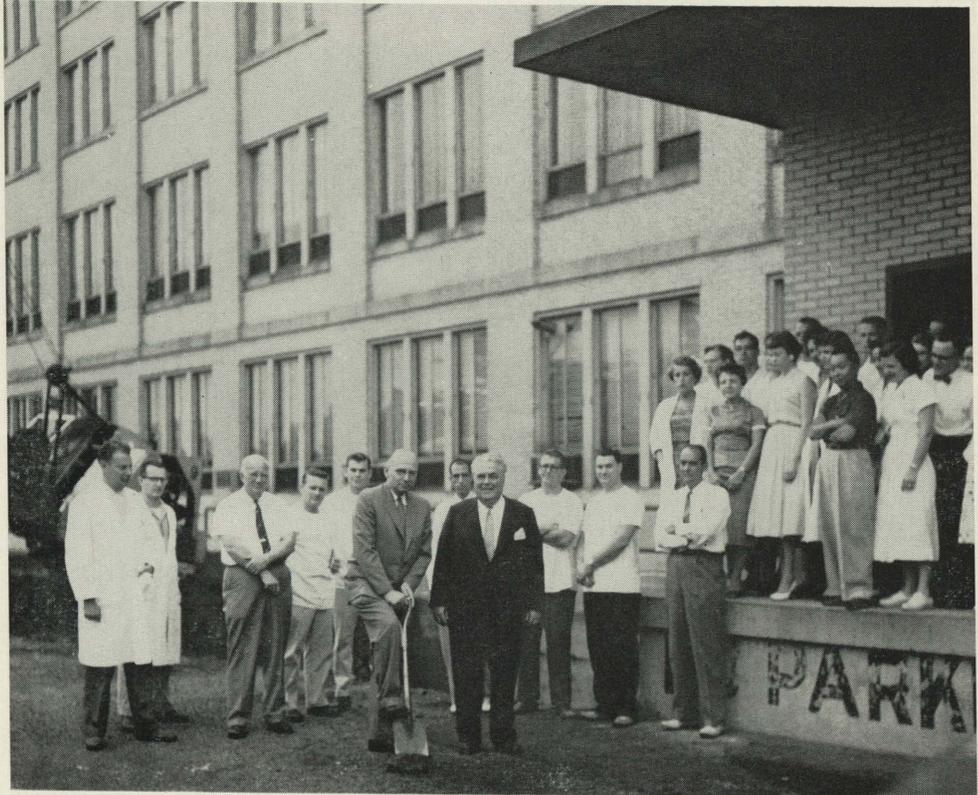
the latest about Donna Doss, read TIME magazine, January 5, page 10.

In November I attended the meeting of the American Dental Hygienists' As-

sociation, and the American Dental Association, in Dallas, Texas. Ten table clinics were given by dental hygienists, three of whom were Indiana graduates, Gerry Bailey, Carolyn Tucker, and Nancy Dudding. One clinic received a prize, and another honorable mention. Joan Klein attended the meeting as an alternate delegate. Indiana made a good impression, and I was bursting with pride.

Both the dental and dental hygiene students are having some classes in the new Medical Science Building, which is located in back of the old Medical School. Other improvements on campus are the new dormitory for single students, which is a wing attached to the north end of the Student Union; and the Warthin Apartments for married students.

Due to the temporary loss of some facilities as a result of the building program, we limited the first year class to 22 last fall. The size of the dental hygiene classes will be increased as soon as additional facilities become available.



President Wells and Dean Hine break ground for the new wing.

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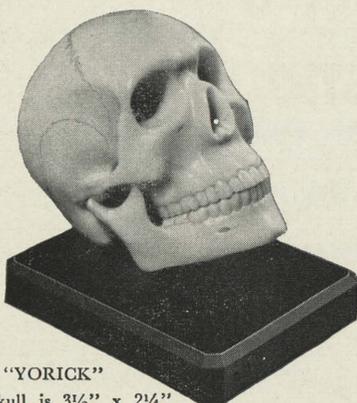
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