

Alumni Bulletin

INDIANA UNIVERSITY
SCHOOL OF DENTISTRY

FALL ISSUE, 1963

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.

The Role of the Graduate Student in Tomorrow's Dental Profession

Dr. L. Walter Brown
Professor and Chairman Department of
Partial Dentures, Tufts University

If someone were to ask you to list the benefits which you had derived from your educational experience,^{1,2} I feel certain these three would be included: (1) it has given you an accumulation of knowledge; (2) it has given you a discipline of mind—the ability to think straight, the ability to think things through, the ability to organize and relate facts; and (3) it has afforded you an opportunity to live in the world of people (to adjust to moods, ideas, ages, opinions, etc.).

The fact that you have attained the status of a graduate student implies (1) that a natural curiosity inspired you to want to know more about your profession or (2) that someone recognized your ability and encouraged you to undertake this advanced program. Whatever the reason, you have attained a position in the world of learned men. This becomes at once both a solemn honor and an obligation not to be regarded lightly. In my opinion, the future of our profession, its education, its practice, its research, can be profoundly influenced by your contributions. This effort can be a positive one if you are willing to so direct your energies. Looking around you, I am sure you will find many examples of individuals who, upon receiving a degree, a title or a position of responsibility, were either content to "sit upon their status quo" or adopt a "holier-than-thou" attitude about it. Such an attitude does not befit a professional person. The title "doctor"

literally means "to teach." Quoting from the oath of Hippocrates; it says, "I will look upon him who shall have taught me this art as one of my parents, I will impart this art and knowledge to those not so well informed."

A profession has the moral duty to share its knowledge with its members for their self-improvement as well as for the benefits of the public it serves. Failure of its members to advance its profession will lead to its sterility and death.

Dentistry today enjoys a most favorable position among the healing arts. Research efforts in its own, as well as in allied fields, are essentially responsible for this changed viewpoint. Today we are concerned with why we treat a patient rather than how. Today our concern is with dental health rather than dental disease. Our present concept is for the *whole* patient not the patient with a *hole* in his tooth! In medical diagnosis there is no such condition as a "little pregnancy." In dentistry we can neither divorce the teeth from the oral cavity nor can we isolate the oral cavity from the rest of the body. Action in either produces counter-action in the other.

The publicity given to the number of military rejects during World War II as being "dental cripples" was, in my opinion, one of the prime factors in awakening the public to the need of dentistry. This same impact also served to promote dentistry as a full fledged member of the health team. As members of this profession, it is our responsibility to continue this progress. Leaders in this

Presented at Chicago, Ill., Feb., 1963, meeting of Indiana University School of Dentistry Advanced Partial Prosthodontics Society.

forward march must come from the ranks of men like yourselves whose academic background has both breadth and depth. Narrowly trained persons are not prepared to adjust to the changes which accompany the growth and development of a profession. It is fine to have talent; but if its marketability or its application is restricted, such an individual cannot cope with the magnitude of changes which occur as a profession grows.

I think the following verse³ will set the stage for the rest of this paper:—

"I keep six honest serving men
They taught me all I knew
Their names are What and Why and When
And How and Where and Who".

If this paper is to fulfill its purpose, it must cite examples or point directions as to the potentialities of the graduate student in the future of dentistry. Up to this point, I think the "why" of the above verse has been answered. In the space remaining I will try and answer the other but no attempt will be made to adhere to the sequence indicated in the quoted verse.

The foremost contribution that men of your calibre can make, of course, is in the academic sphere. Dental school faculties especially need men as clinical teachers who can assist the student in applying his basic science biochemistry, physiology, pharmacology or others so that with your training there will be better integration between basic science and clinical practice. Faculties which fail to provide such teachers stifle not only the student but the whole atmosphere of dentistry. This is not a general condemnation of dental faculties by any means. It is probably only within the last two decades that there have been graduate programs to provide this source of manpower. Equally unfortunate, until recently, the prevailing low salaries for teachers has failed to attract men. Remember that when you teach another you

teach yourself and increase your own mental capacity.

Within the last decade the programs of continuing education or refresher courses have become popular. These courses are the best means for providing new information, concepts or improved methods of practice for the practicing dentist. Here is a place where the graduate student can help his profession.

Dental practice also needs men with vision, enthusiasm and new ideas. The ever increasing public demand for dental services is already taxing the capacity of our profession. It is predicted that by 1957⁴ dentistry will be unable to meet the public's demands for its services. The increased longevity of our people, due to the contributions of medical science and the exploding population increase, compounds the dental problem. It is the duty of men of your capacity to help the profession answer this need. Recently the more functional type of dental office, those which comprise a dentist, a dental hygienist, a dental assistant and a dental technician (a dental team)⁵ have become popular. Statistics prove that this type of office set-up shows increased productivity. The profession needs newly trained graduates with this type of background to educate practicing dentists to use this form of dental practice. It is one way of solving the increased public demand for dentistry. If it is not solved by the profession, then a patriarchal government⁶ will take over the job and it will be done quantitatively rather than on a quality basis. Once this responsibility is lost, the profession will never recover it.

Dental organization can use new faces and new viewpoints. Read their various programs and there is little wonder why attendance at dental meetings is at such a low point. True, there are only so many subjects to be covered but it is usually the same faces, the same dull pre-

sentation, meeting, after meeting, after meeting. Today, there are many visual aids and methods of presenting a subject in an attractive manner which only recently trained people are familiar with. Your freshness of approach will be most welcome to any dental group. In the various dental organizations themselves new blood is needed to replace the arteriosclerosing not only of the blood but of minds of the "old-timers." This is not an easy task because there is always resentment when youth reaches for the reins. However this is a handicap which can be smoothed by erudite minds.

The contributions which the graduate student can make to dental practice are many. Improved procedural methods learned from your own training and new ideas constitute only a small portion of such efforts. You must become evangelists for dentistry among the public. Too many people look upon the members of our profession as myopic artisans worshipping at the feet of MANNON, in spite of the great clamor for dentistry. It is your kind of people who must bring about a better public image of our profession. Your participation in affairs of your community and the expression of your views of dentistry's potentials as a public service can effect this change. The freshness of your appeal will be a great stimulus!

The majority of the students entering dentistry today received their stimulus from their own dentist. Figures show that there were over 150 vacancies in first year classes last year. What greater gift could you make to your profession than by interesting and encouraging capable youth to follow in your footsteps? Youth will listen to youth many times, when the advice of a seer will pass unnoticed.

Study clubs make valuable contributions to many facets of dentistry. Their organization and direction must come from intellectual leaders who possess not only knowledge of the subject matter but,

who also have the capacity and disposition to get people to work together cooperatively. This is a difficult task but one whose rewards can be manifold. I think this could be another area where a graduate student could help.

Since our youth, we are familiar with the 3 R's of education—'reading, 'riting and 'rithmetic.' In my opinion two of these are still important to us. They are writing and reading. Writing should be of concern if you have something to write about, something worthwhile for the other fellow to read. If you don't, but have the urge to write, please write it to satisfy your own ego, then put it in the "large round file"—the profession will thank you for it! However if you have a real message—write so the profession may be enhanced by your literary masterpiece! I strongly recommend that you set up a program for regular reading time. This you need for keeping abreast of your own professional journals as well as reading materials of other topics in order that you may expand your mental horizons. If you fail to make this a habit by reserving a special time each day, you will suddenly find yourself floundering and you will have wasted your most valuable asset—TIME.

There are among you some whom I know will not like any of these ideas because you have set your heart and goal on research. This is fine and it is the true hope of the future of our profession. With your education background you should recognize what are some of the needs of dentistry. Whether this be in the area of pure or applied research you can help guide the direction of the experiment so that its findings will help increase the knowledge of our profession. It is only through the avenues of research that the real preventive methods by which we can minimize oral disease are to be found. There is a real challenge and unlimited possibilities in this field. It may lack the

(Continued on page 43)

From the Alumni President

Dr. Robert L. Peden

Activities of the I.U. School of Dentistry Alumni Association have continued at a rather rapid pace following a most successful Fall Conference in Bloomington last October. No previous activity has been discontinued; however, a few ideas are being added with the hope that they will not only stimulate growth in the Association but arouse active participation among our membership.

May I remind you before you read further that you should mark your calendar immediately for this year's Fall Conference on October 3-5. Get your reservations in as soon as you receive your notice as they are almost at a premium even now. Please do not feel badly if Frank Jones cannot get you a reservation at the Union Building. There are just too few rooms to accommodate our attendance along with all of the other groups with the same desire.

The headquarters room and luncheon were held during the Chicago Dental Society meeting in February. The luncheon was well attended and we enjoyed hearing Dean Berkley (School of Education, I.U. and winner of the International Toastmaster Speakers Award). His outstanding contribution was enhanced by the continuous flow of jokes—each with a down-to-earth and worthwhile message. We were most fortunate and happy to have with us the President of the American Dental Association, Dr. Gerald Timmons. Our doors have been and always will be open to him.

I should like to mention that we are indeed indebted to the Indiana State Dental Association for donating an excellently located booth for us during their last annual meeting. The booth is used to contact alumni who are now members, enroll new members, keep present members informed as to our activities and

encourage them to attend the annual meeting and also as a spot where friends can stop and relax a few moments. Try it next year—the booth is there for you as members and for alumni non-members who would like to know of our activities. By the way, we owe a special thanks to Mr. Morris of the I.U. Alumni Office for his time and excellent assistance at the booth this past May.

As in the past, your Association had the pleasure of presenting Dr. Rollie Bennett with a new gavel when he assumed his office as President of the Indiana State Dental Association. I am sure that I express the feeling of all members of our Association in wishing him good health, happiness and a most successful year. Call on us, Dr. Bennett, if we can assist you in any way.



Dr. Rollie Bennett receives new gavel as he assumes office as President of the Indiana State Dental Association from Dr. Peden, President of the School of Dentistry Alumni Association.

Your Board of Directors has been busy both as a group and with individual committee assignments. One Executive Board meeting and two regular board meetings have been held since last fall. I am happy to report that progress is being made in the areas of the Scholarship Fund for Student Loans, the Fall Conference program in October, Association membership and by the committees assigned to other activities.

The Liaison Committee working with the Indiana State Dental Association has been hard at work. This year the committee is placing their emphasis on class reunions and auxiliary dental society meetings during the Fall Conference in Bloomington. The class of 1943 is planning their 20th anniversary reunion this year in Bloomington and it is hoped that other classes will soon be adding their reunions to the list and enjoying the annual alumni meeting at the same time. If you will remember, the class of '39 got the jump last year. Jack Benny with his "39", had he been there, would have had little chance with those boys and one girl during their wonderful get-together. The Society of Dentistry for Children will again hold its meeting at the same time and Dr. David McClure, Anderson, Indiana, as program chairman for their society extends a special invitation to all who wish to take advantage of their program. The Indiana Society of Oral Surgeons is planning to meet with us and I am sure they would welcome any who are interested in their program. Members of the Indiana Dental Hygienists Association will also be enjoying our program. We are most happy to welcome the aforementioned groups.

As for our Fall Conference program, Dr. H. William Gilmore, Vice-President and program chairman, and his committee have things moving smoothly at this date. The tentative outlook is for the scientific sessions to be provided by

outstanding men in their field from Ohio University. Play time has not been forgotten for both gentlemen and ladies. The golf tournament on Thursday (with prizes not in a crackerjack box) will again be ably handled by Dr. Leer. He has made reservations for good weather too. The ladies are going to have luncheon along with the gentlemen this year on Friday in the new I.U. Stadium and all will have an opportunity to tour the press section—tops in the U.S.

Special recognition should go to Dr. Miles Barton, Dr. Douglas White and Dr. Jack Carr for their continuous and tireless efforts for our Association. Dr. White and Dr. Carr are busy selling advertisements for our Fall Conference program. Believe me, I do not envy them their job but it is always accomplished in over-the-top fashion. Dr. Barton is doing his usual bang-up job as chairman of the Varsity Club drive. He reports that contributions are on schedule even though the real drive has not yet started. You will be hearing more from him soon and I am sure this activity will not falter.

All in all it looks like a promising and exciting Fall Conference winding up with the Indiana-Ohio football game on Saturday afternoon. Start the drums now with "beat Ohio." Actually, I haven't done much. Due to the fine cooperation from all the officers, board members, ex-officio board members, members at large, Mr. Claude Rich, Mr. Frank Jones, Mr. Bob Stebbins from the I.U. Alumni Office and with the Indiana State Dental Association and others, it has been an easy pleasure.

We are never too busy though to accept and consider ideas and suggestions. If you have either or both, please drop me a line and prompt attention will follow for the betterment of our program and association.

Don't forget the dates, October 3-5. Will see you in Bloomington.

Dean Hine reports that...

Two of the most important missions of any dental school, particularly one which is state-supported, are to transmit knowledge in the educational programs desired by the residents of the state, and to furnish the dental manpower needed to serve the residents of the state. To do this careful planning is required. For many years we have been able to accept eventually almost every resident applicant who has met the entrance requirement (a minimum two years of predental college credit, with at least a "C" average and an acceptable dental aptitude test score), although often not the first year an application is made. It is generally recognized and easily proved that an individual attending dental school pays less than 20 per cent of the cost of his dental education and the income from dental clinics adds another 20 per cent. Sixty per cent of the cost of dental education must come from state support, private endowments, or some other outside source. Consequently, it is essential that the size of a dental class be controlled somewhat to meet the demands for dental service by our residents. According to our estimates we should be able to meet these demands fairly adequately for at least the next decade.

It has been our policy recently to accept 90 students, which represents the school's present capacity, and 10 to 15 alternates. As a result we have been able to begin the fall term with a full quota of 90 freshman students. Last year 92 per cent of our students were residents of Indiana, as compared to the national average of 79 per cent residents for 19 state-supported schools. Incidentally, Minnesota University School of Dentistry accepted 83 per cent residents, Michigan 86 per cent, Iowa 92 per cent. Ohio accepted 99.3 per cent residents in their

freshman class. It was interesting to note that last year Indiana University School of Dentistry enrolled 2.5 per cent of all the incoming dental students in the country which were selected from 2.24 per cent of all applicants. In other words, Indiana residents were accepted in a slightly higher percentage of cases than the national average.

The ratio of applicants to first year enrollments has gradually become more unfavorable from the point of view of the applicants. In 1959, the low point of this decade, I.U. was able to accept one for every 1.7 applicants; in 1960 this had moved up to 1.8, in 1961 1.9 and in 1962 2.1. The national average also went up in 1962 to 4 applicants for every admission, as compared to 3.6 applicants in 1961. There are obviously enough applicants to fill all dental schools, if they were properly distributed. This year a "clearinghouse" was formed by the American Association of Dental Schools to aid in student distribution, but very few vacancies were reported.

We assume by this time all alumni know that Dr. Frank C. Hughes (Class of 1918), Chairman of the Denture Department until his retirement a few years ago, died on April 2, 1963. We knew that Dr. Hughes' health had not been too robust, but somehow we were unprepared for the news of his death. Dr. Hughes was one of the many teachers including among others J. L. Wilson, Ert J. Rogers and Lewis B. Spear, who had a strong influence on every graduate of our dental school while he was on the faculty.

Several new faculty appointments have been made this year, and there have been a few resignations. As has been reported previously, Dr. James House, son of M. M. House, has joined the faculty to teach Prosthetic Dentistry.

Other appointments include Dr. Ralph Schimmele of Fort Wayne (Class of 1952), Dr. John Sandlewick ('63), Dr. Norris Richmond ('63) and Dr. John W. Osborne ('63) in the Operative Department; Dr. Arthur S. Miller (Washington University School of Dentistry 1959) in Oral Pathology; Dr. Drew Oldham ('63), Dr. Paul Lew ('62) and Dr. Charles R. Hayes ('63) in Crown and Bridge, Dr. Donald Bowers (Ohio State University College of Dentistry 1959) in Pedodontics; Dr. Burthal Cleveland (Class of '61) in Orthodontics. Other appointments are to be made soon.

We have received several calls in the last few months from alumni who are interested in contributing to dental education, and particularly to the dental student loan fund. In a few cases information was requested regarding instructions for bequeathing money to the dental school. We shall be pleased to discuss this with anyone interested. Contributions to Indiana University Foundation are usually completely tax-exempt; money received by the Foundation will be spent according to the donor's wishes, provided the general purpose of the gift is to improve education. If it is desired to aid dental students, a gift to the Foundation with instructions that the money be made available for dental student loans or scholarships is all that is needed.

We have recently mailed out a list of postgraduate courses which will be presented to practicing dentists by I.U. this year. We hope that everyone will find some courses of interest and will make plans to attend. Incidentally, we are eager to offer those courses which are most needed; please send us a list of subjects of short refresher courses which are desired.

Faculty members continue to receive honors. Congratulations are in order to: **Professor Ralph Phillips**, who was awarded the Doctor of Science degree

by the University of Alabama last June. Professor Phillips gave the Commencement address for the 2500 graduates of the University of Alabama and from all reports delivered a magnificent address. Incidentally, he was also named chairman of the Dental Study Section for a second term and placed on the Scientific Manpower Committee of the National Advisory Research Council.

Dr. David F. Mitchell has been awarded a Fulbright scholarship to lecture in South America for two months this winter.

Dr. Samuel S. Patterson was elected President-elect of Indianapolis District Dental Society and so will succeed **Dr. Gerald Kiley** of our Oral Surgery Department, who was installed as President.

I was appointed on the National Advisory Dental Research Council for a second term, and elected President-elect of the American Academy of Periodontology.

Dr. Ralph McDonald's concise book on Pedodontics was released last summer and a completely revised edition of Oral Pathology by **Dr. Wm. Shafer** (co-authors Hine and Levy) was released recently.

Dr. Varoujan Tchalian has been appointed a member of the Hospital Accreditation Committee by the American Academy of Maxillofacial Prosthetics and the Department of Health, Education and Welfare. This committee will make a survey of hospitals in the U.S.A. which have Maxillofacial Prosthetics services as a part of an approved dental department.

Please help publicize the annual Homecoming of the Dental Alumni which will be held this year in Bloomington on Thursday, Friday and Saturday, October 3, 4 and 5. Ohio State University is bringing over one of their fine football teams and some representatives from their School of Dentistry. The attendance at these meetings has been improving each year, so get your reservations in early.

This year the Indiana Society of Oral Surgeons and the Indiana Society of Pedodontists are meeting in Bloomington at the same time, and so an excellent attendance is anticipated.

It is apparent that the program of the dental school is progressing satisfactorily in many directions. The undergraduate and graduate teaching program, dental hygiene course, and the research projects are all developing rapidly. Any alumnus who is the least bit skeptical is invited to make a tour of our building! We hope you can come!

Refresher Courses, 1963-64

The Postgraduate Committee of Indiana University School of Dentistry announces the following short courses and symposia will be offered in 1963-64. All short courses will be held in the dental school building, and symposia in the Indiana State Board of Health Building.

September 18, 25; October 2, 9: **CLINICAL ORAL PATHOLOGY.** A refresher course for practitioners, presenting recent advances in this important area of dentistry. Fee \$60.00. Enrollment limited. I.U.S.D. staff.

October 23, 30; November 6, 13, 20, 27: **PERIODONTICS.** Clinical participation course. On October 30 guest lecturer Dr. Harry Bohannon, Chairman of the Department of Periodontics, U. of Kentucky School of Dentistry, will conduct the course. Fee \$150.00. Enrollment limited.

November 4, 5, 6, 7, 8: **PARTIAL PROSTHODONTICS.** This course will include discussions of both fixed and removable prostheses. Fee \$75.00.

I.U. Staff and guest lecturer Dr. James D. Harrison, St. Louis U.

December 9, 10, 11, 12: **PEDODONTICS.** Dr. Norman H. Olsen, Northwestern U. School of Dentistry, will join the I.U. faculty in presenting this course, which will include clinical participation. Fee \$75.00. Enrollment limited.

January 20, 21, 22, 23, 24: **CERAMICS.** This course will deal with both jacket crown construction and bonded porcelain veneers (both atmosphere and vacuum firing). Bonded porcelain veneers, Ceramco, MicroBond, and the Ney P16 Thermalite combination will be considered. Instructors, I.U. Staff with guest lecturer Mr. John Pettrow of Dentists Supply Co. Fee \$75.00. Enrollment limited.

June 1, 2: **SEGMENTED ARCH TECHNIQUE REFRESHER COURSE.** For students who have completed former postgraduate courses in The Segmented Arch Technique. I.U. Staff. Fee \$50.00. Enrollment limited.

June 13, 14: **TWO DAY POSTGRADUATE COURSE IN PERIODONTICS.** Dr. Frank Beube, Chairman of the Department of Periodontics, Columbia U., will present the entire course which will cover the diagnosis and treatment of various involvements of the periodontium. Fee \$75.00. Limited enrollment.

June 15, 16, 17, 18, 19, 20: **SEGMENTED ARCH TECHNIQUE.** This course is presented by the Orthodontic Department of I.U. Enrollment limited to those who limit their practice to orthodontics. Fee \$250.00.

* * * *

SYMPOSIA. There is no charge for these symposia, which will be held in Rice Auditorium, Indiana State Board of

Health Building, 1330 West Michigan Street, Indianapolis, Indiana.

March 11, 1964—TREATMENT OF PERIODONTICS—presented by faculty of I.U.S.D. and Dr. John R. Wilson, Ohio State U.

March 18, 1964—AMALGAM—presented by faculty of I.U.S.D. and Dr. Wilmer Eames, Northwestern U.

April 15, 1964—DENTAL RADIOLOGY—presented by faculty of I.U.S.D., Dr. Arthur Wuehrmann of Alabama and Mr. Edgar Rummler, Eastman Kodak Co.

For further information regarding any of the above courses and/or symposia, please write the Dean, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis 2, Indiana.

Crown and Bridge Graduate Students Organize

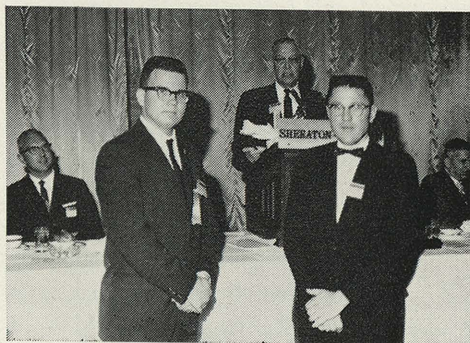
This is to announce a new alumni organization—The Indiana University School of Dentistry Advanced Partial Prosthodontics Society. Membership is limited to those who have done resident graduate or postgraduate study in the Partial Prosthodontics Department and the major interest may have been either fixed or removable replacements. At the present time 41 are eligible.

The first annual meeting was held February 3 at the Lake Shore Club, in Chicago, with the following persons in attendance: Charalambros C. Blazoudakis (Greece), Robert L. Bogan (Indiana), Fernando Campuzano (Mexico), Robert W. Clements (Virginia), Donald M. Cunningham (Indiana), Hector M. Davila-Alonso (Puerto Rico), James Donahue (Texas), John A. DuMond

(Indiana), Roland W. Dykema (Indiana), Donald C. FitzRoy (D. C.), Patrick J. Henry (Australia), Sumiya Hobo (Japan), John F. Johnston (Indiana), Michael C. Kafalias (Australia), Zack Kasloff (Canada), Ray K. Maesaka (Indiana), Ralph G. Schimmele (Indiana), Robert Schonbrun (Connecticut), Walter R. Teteruck (Canada), Sverker Toreskog (Sweden), Castor Velazquez (Venezuela), Stefan Wittner (New Hampshire), and Louis Zislis (Kentucky).

Officers for the present year are: Ray K. Maesaka, president; Donald C. FitzRoy, vice-president; and John F. Johnston, secretary-treasurer.

The following two committees were appointed: (1) Constitution and By-Laws; Doctor Davila, chairman, and Doctors Teteruck, FitzRoy, Schimmele, with Ray Maesaka, ex officio. (2) Program Committee for the 1964 meeting consists of: Doctor DuMond, chairman; and Doctors Kasloff, Henry, Campuzano, with Doctor Johnston, ex officio. It is hoped that the committee on a constitution and by-laws will have something to present at the next meeting which is scheduled to be held in Chicago in February, 1964.



Picture taken during annual Omicron Kappa Upsilon luncheon at state meeting in May showing Dr. Lon W. Morrey, Editor-Emeritus, Journal American Dental Association (background) who presented award to winner of the Science Fair, Mr. Robert Humes (left) of Manual High School. Sponsor was Mr. Donald Hully (right).

New Scholarship and Loan Fund Established

Indiana University Foundation, in cooperation with Theta Theta Chapter of Omicron Kappa Upsilon, is establishing a dental student scholarship and loan fund to provide financial aid to dental students.

The members of the honorary fraternity realize that the costs of a dental education are increasing and that well-qualified students are often forced to discontinue their education because of inadequate personal finances and lack of sufficient scholarship aid at the School of Dentistry.

Contributions to the Scholarship Fund or the Loan Fund may be made through the Indiana University Foundation or directly to the Treasurer of Theta Theta Chapter.

Drs. House and Rogers Memorialized

The first chairman of the Crown and Bridge Department as a separate entity was Dr. David A. House, whose tenure was from 1917 to 1925. He was succeeded by Dr. Ert J. Rogers, who had been Dr. House's assistant in the department following graduation in 1919. Doctor Rogers was chairman from 1925 until 1950.

Pictures of these two men, who contributed so much to their field, were hung in the clinical area of the Department of Fixed and Removable Partial Prosthodontics on February 20, 1963.

Shown, in the picture below, with Dean Maynard K. Hine at the ceremony are Mrs. Edward L. Mitchell, daughter of the late Doctor House; and Mrs. Rogers, widow of Dr. Ert J. Rogers.



Mrs. Mitchell (left) and Mrs. Rogers with Dean Hine at ceremony honoring Dr. House and Dr. Rogers.

Honor Day Awards

The Honor Program for the dental seniors and dental hygiene graduates was held in the Student Union Building on Sunday afternoon, June 2nd. The program was conducted by Dean Maynard K. Hine and a list of the awards and the recipients follows:

American Academy of Dental Medicine:

David Lind

American Academy of Gold Foil: Robert R. Rock

American Society of Dentistry for Children: Robert R. Rock

American Academy of Periodontology: Richard Fisher

American College of Dentists: Cynthia Shellburne

American College of Dentists Essay Award: Cynthia Shellburne

International College of Dentists: Jerry Lambert

American Association of Roentgenology Certificate: John T. Mayhall

Robert G. Botkin Award: Peter D. Rucinski

John W. Geller Research Award: William E. Teschner

Indiana State Dental Laboratory Association: partial denture—Charles R. Hayes; complete denture—Alan E. Corns; crown and bridge—Joab Badell

Award for outstanding work in complete prosthodontics: Robert F. Becknell

C. V. Mosby Awards for proficiency: Endodontics—Charles R. Hayes; Dental Materials—Drew Oldham; Radiology—Joab D. Badell; Prosthetics—Joseph G. Benham; Dental Hygiene—Constance Hamilton

Lewis B. Spear—Radiology Interpretation: 1st prize—Richard Fisher; 2nd



Newly elected alumni members of Omicron Kappa Upsilon: (bottom row) J. Badell, A. Corns, R. Rock; (middle row) D. Oldham, S. Bailie, P. Leonard, E. Dellinger; (top row) J. Sandlewick, Dr. R. Norman, Secretary, Theta Theta Chapter, W. Rosenstein, R. Schmidt.

prize—Richard Osburn; 3rd prize—J. R. Lindsay (junior)

Alpha Omega National Chapter plaque: Stephen Bailie

Xi Psi Phi Ert J. Rogers Award: Drew Oldham

Award for extra-curricular activities associated with dental school: Richard Fisher

Special essay award (Block Drug Company): Stephen K. Bailie

Senior Essay Awards: 1st prize—William H. Rosenstein; 2nd prize—Drew Oldham; 3rd prize—Robert F. Becknell

Interfraternity Council plaque: 1st place—Xi Psi Phi; 2nd place—Psi Omega

Omicron Kappa Upsilon certificates: Joab Badell, Stephen Bailie, Alan Corns, Eugene L. Dellinger, Peter H. Leonard, Drew F. Oldham, Robert Rock, William H. Rosenstein, John W. Sandlewick, Robert T. Schmidt

Certificate to sophomore with outstanding record in freshman year: Robert A. Zager

Fourragers to students with High Honors: Stephen Bailie, Robert Rock

With Honors: Joab Badell, Alan Corns, Eugene Dellinger, Peter Leonard, Drew Oldham, William Rosenstein, John Sandlewick, Robert T. Schmidt

Presented to dental hygienists with Honors: Constance Hamilton, Carmine Griffis

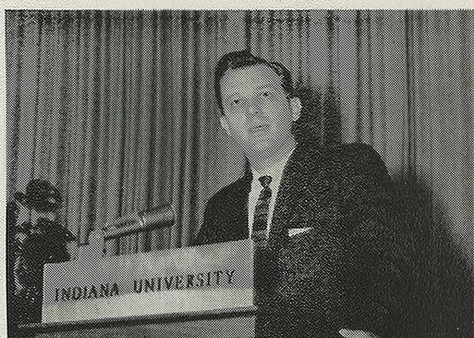
Student clinic contests winner: Maurice P. Lord (junior)

Rossya Kaufman Award: Carmine Griffis

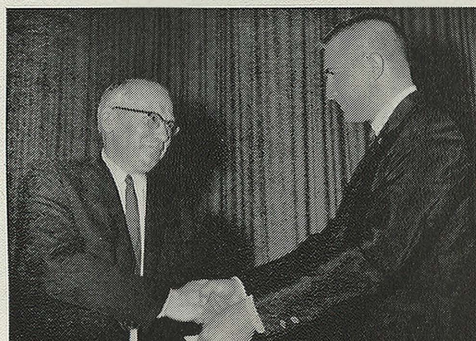
Indiana State Dental Hygienists Association: Sara Helmbock

Announcement of Meritorious Teaching Award (from senior students): Dr. Paul Starkey

Following remarks by senior class president, Duncan A. Gosling, Jr., and second year dental hygiene president, Carmine Griffis, light refreshments were served.



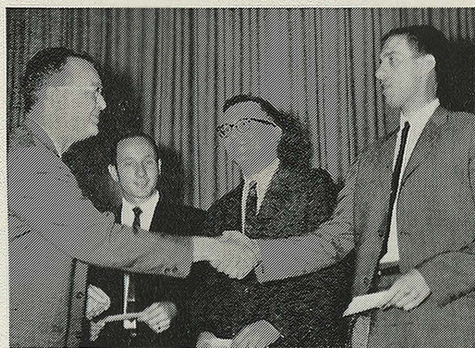
Duncan Gosling, Jr., President of Senior Class.



Dean Hine presents activities award to Richard Fisher.



Drew Oldham receives Mosby award from Prof. Swartz.



Dr. Howell presents Senior Essay Awards to R. Becknell, D. Oldham and W. Rosenstein.



Dr. Matlock congratulates winners of the Lewis B. Spear Radiology Interpretation Contest. (Left) J. Lindsay (third prize), R. Osburn (second prize) and R. Fisher (first prize).



Members of the 1963 Dental Hygiene graduating class.

Dental Hygiene

A. Rebekah Fisk, Director

Appearing in the official program for graduation were the names of the first five graduates of the Dental Hygiene Curriculum, Indiana University, to receive the degree Bachelor of Science in Public Health Dental Hygiene:

Mrs. Audrey Gotsch—Dental Hygiene Class of 1962

Mrs. Judith Spivey Kight—Dental Hygiene Class of 1962

Miss Karen Masbaum—Dental Hygiene Class of 1962

Mrs. Kay B. Robertson—Dental Hygiene Class of 1962

Mrs. Ann B. Spedding—Dental Hygiene Class of 1958

The 1963 Dental Hygiene Class was the largest to receive certificates. Some plan to return next year to complete degree requirements—others have accepted positions in Indiana, Illinois, and Kentucky, as follows:

In the Indianapolis area Carol Bond will be with Dr. David Latz and also Dr. Carl Ballman of Frankfort. Jean Gorenc is with Drs. Paul and Drew Oldham; Carmine Griffis with Dr. E. Byrd Barr; Constance Hamilton with Drs. Marvin Schmidt and Bailey Davis; Carol Heine with Dr. Philip Bly; Ellen Jones with Dr. Darrell McFall; Karen Osborne with Dr. Jerrold Goldsmith; Carolyn Skidmore with Drs. Robert Tarplee and Willard Stamper; and Patricia Wade with Dr. Paul White and Dr. Jose Ramos in Frankfort; and Martha Friehe with Dr. Robert Johnson in Nora. Diane Baker is with Dr. Virgil Eaton, Brownsburg; Martha Squires with Dr. James Worster, Anderson; and Shera Stropko with Dr. Ross Warren, Crawfordsville.

Nancy Bitter and Kay Conaway have joined the staff of the Dental Division of the State Board of Health.

In Fort Wayne, Martha Bradley is in the offices of Drs. Ralph Merkle and George Ertzinger; and Shermie Shafer is with Dr. Kyle Sell.

Judith Lambert is with Drs. Robert Moon and Robert Vinzant in Hobart, and Dr. J. David Hogue, Hammond. Ann Mann is in the office of Dr. Kenneth Cleveland, Elkhart.

Those who have accepted positions out-of-state are Patricia Mlynski who is with Dr. Theodore H. Vermeulen, Chicago, Illinois; and Kay Raag with Dr. Richard Barlett in Princeton, Kentucky.

In the southern part of the state Paula Weaver will be with Dr. J. Devich in Bloomington, and Nancy Niemann with Dr. William Anderson, Vincennes. In the Columbus area Sonya Ellis, will be with Dr. Glenn Gallaway, and Sharon Rooksby with Drs. Daniel Olson and Gene Stevens. In Evansville, Lou Cinda Finch will be with Drs. Robert Kopelwitz and Wilbur Manchette; and Sarah Helmbock with Drs. George Helmbock, and Raymond Kuhlman, and William Hart of Newburgh.

The National Dental Hygiene Board was given in December and April. All of the graduating class took and passed the Board in April. Quite a few alumni come back each year to take the National Board which is now accepted by thirty-five states. It will be given December 2, 1963, and March 30 and December 1, 1964. It should be remembered that after January 1965 only those hygienists graduated from an accredited dental hygiene program after 1954 will be eligible for participation. Applications must be in 30 days before date of examination.

We are very pleased with a registration of sixty from eleven states for the Post-

(Continued on page 44)

Library

Mrs. Mabel Walker, Librarian

ITS PROGRESS

Definite progress in the library the past year has been made in the majority of areas.

Of the total of 61,075 items now in the library, 3587 items have been added this year. Texts and volumes of journals total almost 20,000 volumes.

Use of the library through readers and those studying increased 50 per cent while circulation showed an increase of 25 per cent. Plans for library expansion are being made and are greatly anticipated. For the present student enrollment the seating capacity in the library should be doubled. Shelving space for books is at a premium. Every inch of floor space has been utilized for either study space or shelving; therefore, the tops of shelving are filling up rapidly.

The total of 28 new journals added during the year, 13 of which were by subscription and 15 by gift, brings the total number of current journals received to 495.

Because of the number of catalog cards necessary the past few years to cover the new books received, it was necessary to extend the card catalog by 12 trays this year.

The 1961 "Theses Supplement" of the Graduate School of the I.U. School of Dentistry was mailed to all dental schools in the United States and Canada and the 1962 supplement is now being compiled. Requests for the loan of or for microfilm of these continue to increase. Thirty-five such requests were received the past year, four of them from abroad.

Gifts of books and journals were received during the year from 29 persons or sources. Of this number, 10 were

faculty donors. These gifts are always welcomed by the library. Often missing journal issues are supplied through them. Older editions of texts among them are sometimes needed or books for the browsing collection obtained.

To the service of current journal article referrals to the faculty has been added an author and subject card file of these referrals, available in the library. In addition to a faculty service, this current card index will help bridge the gap in the quarterly issues of the "Index to Dental Literature." It is hoped these cards can be on file within one week after the journal is received in the library.

The library staff for the coming year will consist of six persons, two of whom are part-time. Two of the staff members are professional librarians.

* * * * *

As in previous issues in conjunction with the library column listed below are abstracts of seven Masters' theses written in the Graduate School, Indiana University School of Dentistry, 1962 and 1963.

AN EVALUATION OF OCCLUSION OF CEREBRAL PALSIED CHILDREN Charles Herbert Rosenbaum 1963

The purpose of this study was to provide information concerning occlusion and related problems in cerebral palsied children.

A group of 124 cerebral palsied children between the ages of 6 and 12 years were examined at the Cerebral Palsy Dental Clinic, Indiana University. The occlusion was evaluated according to Angle's classification. In addition, a recording was made of overjet, overbite, open bite cuspid relationships, crossbite

and midline discrepancies. The examination included a clinical evaluation of the swallowing pattern of each child. The cerebral palsy classification and I.Q. scores were recorded for each cerebral palsied child after a comprehensive review of his medical record. These findings were compared with a control group of 141 similar aged non-cerebral palsied children examined at Indiana University, Pedodontic department.

The cerebral palsied group had an average increased overjet of 0.8 mm. and an average decreased overbite of 0.5 mm., representing an upward and outward positioning of the maxillary anterior segment.

Anterior open bite was present in a similar percentage of both groups, but in the cerebral palsied group the measurement recorded was more than twice as great as that recorded in the control group.

Forty-four per cent of the cerebral palsied children exhibited bruxism, more than twice the percentage of cases recorded in the control group. The cerebral palsied children exhibited bruxism most frequently in the day time, and was most common in the athetoid group.

Other measurements recorded were not significantly different between the two groups.

From this study one can conclude that malocclusion and factors affecting occlusion are not found with greater frequency in cerebral palsied children.

THE PATHOGENESIS OF AUTOGENOUS SKIN IMPLANTATION CYSTS

Bill Ryan Baker
1963

The purpose of this study was to record the changes in implanted epithelium leading to cyst formation. A total of 120 pieces of autogenous skin approximately 2 x 2 x 10 mm. were implanted subcutaneously in 40 male Wistar rats. Forty

pieces of gauze sponge of similar size were implanted. Animals were sacrificed at various intervals until 15 days had elapsed. Early implants showed an inflammatory reaction in the surrounding tissue, especially that opposite the keratinized surface. Two days after surgery, epithelial proliferation was seen at the incised borders of the implant. This proliferation folded back on the keratinized surface of the implant, in some cases joining in a few days. After five days, several of these epithelial lined cavities were seen. At this interval, changes were observed in the hair follicles. Many had lost their contents and had increased in diameter. Some were seen joining to form microcysts, which then joined the lumina of the larger cysts to increase the size of the latter. With the exception of two skin implants which sloughed, random and serial sections of the 5-15 day specimens showed some complete and some incomplete, elongated cystic tubes filled with keratin, hair and other debris. Cyst formation was not seen associated with any of the gauze sponge implants.

A STUDY OF CERTAIN PHYSICAL PROPERTIES OF RESINS USED FOR VENEERING PURPOSES

Donald Clifford FitzRoy
1963

A comparative investigation of certain physical properties was made of four types of resins manufactured for use as veneering materials in crown and bridge prosthesis. The resins selected were Hue-Lon, a conventional methyl methacrylate; Vacalon, a methyl methacrylate with a filler; Luxene, an acrylic-vinyl copolymer; and Epox-E-Don, a new epoxy resin.

The properties studied were water sorption, water solubility, adaptation (leakage) and bond strength (tensile). Water sorption and solubility were tested by the method suggested in A.D.A. Specification

No. 12 for denture base resins. Water sorption was also studied over a 200-day period. Adaptation of resins to gold was studied by means of a radioactive isotope tracer technique utilizing Ca^{45} . Bond strength of resins to gold was investigated using a tensile test technique.

These experiments did not indicate any one material to be superior to the others in all of the physical properties tested. The water solubility of all the materials was quite comparable. Luxene exhibited the lowest water sorption in both the 24-hour and 200-day tests. Hue-Lon and Vacalon sorbed water more rapidly than the epoxy resins, but in no greater amount during the 200-day period. Epox-E-Don gave evidence of good bonding properties, fracturing, under tension, through the material itself rather than at the resin-metal interface, as did the other resins. Luxene and water-cured Hue-Lon demonstrated relatively good adaptation by the isotope tests. Vacuum processing seemed to reduce rather than improve adaptations, as evidenced by the gross isotope infiltration beneath veneers, and the dramatic reduction in bond strength, noted in specimens cured in this manner.

A TECHNIQUE FOR CONTOUR STUDY OF THE EDENTULOUS MAXILLARY RIDGE

Prasanta Kumar Basu
1962

A technique for contour study of the edentulous maxillary ridge has been developed. A clinical case was selected with only the maxillary anterior teeth remaining. Master models of the denture supporting area were secured from the impressions made before extraction, 2 weeks, 4 weeks, 6 weeks, 9 weeks, 15 weeks and 26 weeks after extraction. Two sets of duplicate models were obtained from these master models. These duplicate models were oriented on identical new bases with the help of a common palatal

index and an orientation jig. One millimeter thick sections were made on five predetermined sagittal planes from one set of duplicate models. Similarly, one millimeter thick sections were made on a frontal plane from the remaining set of duplicate models. These sections were mounted on glass slides. Sections of the same plane from these models obtained at different time intervals, were projected on the same paper screen by superimposing their base reference lines under the same magnification and the contour of the ridges were traced. Measurements obtained from these tracings showed in this particular case that (1) the maximum amount of resorption took place in the first four weeks after surgery, (2) total labial resorption was more than the total vertical resorption, (3) no change in resorption rate or pattern was noticed after the insertion of artificial denture between 8th and 9th week, (4) most of the resorption took place within 9 weeks after extraction, and (5) there was no noticeable change after 15 weeks till the 26th week, when the study was completed.

FORCE VALUES AND RATE OF MOVEMENT IN CLOSURE OF SPACE BETWEEN MAXILLARY CENTRAL INCISORS

Henry L. Levihn
1962

A study was conducted to determine the rate of tooth movement, pain response and tooth mobility when closing the space between the maxillary central incisors. Twenty children age 8 to 18 were selected who had a minimum of two millimeters space between the maxillary centrals. The forces used were 10, 20, 50, 75, 125, and 200 grams.

It was found that there was a fast initial movement followed by a latent period of varying lengths of time. In most instances the lag period is from seven to ten days, but in three cases it

was as high as eighteen to twenty-five days. The five patients in the 50 gram group had the shortest latent period. The three patients with the extended latent periods happened to be the three eldest patients in the sample. That is, they were from 16½ to 18 years of age, while the average age for the entire sample was about 11 years.

After the latent period, the rate of movement in the 10 and 20 gram groups was slower than the rate of movement with higher force. When the higher forces in the 125 and 200 gram range were used, the rate did not continue to increase but was comparable to the rates in the 50 and 75 gram groups. What was noticed in the higher range of force was an increase in the amount of pain and mobility.

From these observations it was felt that for tipping of the maxillary centrals the optimal range of force to be used would be 50 to 100 grams. At these forces the rate of tooth movement was rapid and the patient's response to pain was at a minimum.

THE EFFECT OF ALTERING PHYSICAL ROENTGENOGRAPHIC FACTORS ON PATIENT RADIATION DOSE LEVELS

Phillip E. O'Shaughnessy
1962

This study was done in an effort to determine what importance various physical factors have in influencing radiation levels received by the patient, and to determine if any one technique or method of routine intra-oral roentgenography is safer than any other technique in light of our present knowledge of radiation damage.

Ionization chamber dosimeters were implanted in the regions of seven vital organs of a fully embalmed cadaver. Full mouth intra-oral roentgenography was accomplished, using the bisecting angle technique and 16 films. The amount of dosimeter ionization was then determined and recorded.

This procedure was repeated twenty-four times altering the variables of target-film distance, kilovoltage peak level, filtration, and collimation.

No one combination of variables was found that consistently induced the lowest radiation level to all seven areas. However, the long cone, added filtration, and added collimation combination was lowest in most instances, using 70, 80, and 90 kvp. All radiation levels were very small, and it is felt that the dentist is entirely justified in using roentgenography for justifiable diagnostic purposes.

CHARACTERIZATION OF THE BW1081 MOUSE SALIVARY GLAND TUMOR

James Overton Beck, Jr.
1962

The purpose of this study was to determine the growth characteristics of the transplantable BW1081 mouse salivary gland tumor which arose spontaneously in a BALB/c strain mouse. A series of tumor transplantations, tumor size determinations, host response observations, histologic examinations of tumors and organs of tumor-bearing mice, hematologic studies, and reestablishment of *in vivo* tumor growth from tissue culture preparations of the BW1081 neoplasm revealed that this neoplasm is similar to the myoepitheliomas reported in the literature. The growing tumor developed a central cavity of necrosis filled with a clear mucoid material, and the host developed a leukemoid response with a reversal in the normal neutrophil-lymphocyte differential blood cell count and myeloid infiltration in various organs as well as extramedullary myelopoiesis in the liver and spleen. A previously unreported host response to the transplanted tumor was the atrophy of the granular tubules of the submaxillary salivary glands in certain adult male tumor-bearing mice. Inability to demonstrate histologically the presence of myofibrils

(Continued on page 35)

Alumni Notes

Mrs. Cleona Harvey, Recorder

Here it is summer once again, and we have just finished graduating another fine class of dentists! It is always a pleasure to see a class of graduating seniors receive their degrees and to realize that they are now full-fledged dentists, ready to do their part toward forwarding the cause of good dentistry, but it is a joy tinged with a bit of sadness. After working with these students for four full years, we feel we know them very well, and hesitate to relinquish the friendship we have built! However, we hope that they—as well as all of you—will keep us informed of their progress. What news we don't receive (and some we do) we can't print here!

Time does march on, and so we have now selected another class for the School of Dentistry, and are making plans for the coming year. Busy, as usual!

Well—I know that you are most anxious to hear about your classmates, and so here is news of the

Class of 1918

We are sorry to report the death of Dr. Frank C. Hughes on April 2, 1963.

Class of 1940

Dr. F. K. Etter, 80 Arch Street, Redwood City, California, writes to send us this change of address,

"... which was brought about by my coming retirement from the Navy, August 1963."

Class of 1944

We received the following news from Dr. Morris Weimer, 228 Elm Avenue, Rahway, New Jersey, saying,

"... and now a sad duty, to report the death of our classmate Dr. Bernard Wiemer. Bernie died of leukemia on

Wednesday, June 19, 1963. He worked in his office, knowing of his ailment, until 5 P.M. on June 14. As recently as May he attended state meetings—taking courses and making notes. He was a hero and showed us the meaning of courage. His passing at age 39, leaving a wife and three children, is truly a deep loss.

"The summer days are here and this means I missed another Indiana State meeting. I renew my Indiana license each year—the emotional ties that bind me to my beloved Hoosier home are indeed deep. Oh well, perhaps next year."

Class of 1945

We received such an interesting letter from Dr. and Mrs. Hugh Deale, P. B. 636E, Southern Rhodesia, that we are quoting it in its entirety.

"Because there have been many changes in appointments and several families leaving for furlough on new assignment, we are the missionary family which has been at Nyadiri the longest continuously (and that has been for only 18 months!). There are eight missionary families and seven women of the Woman's Division here now.

"I have just started to train a dental helper. He has completed his third-year course as a nursing orderly at our hospital. The educational system in Rhodesia is more advanced and controlled than it was in Congo. I have hesitated to begin teaching anyone with less training, not knowing what his status with the government might be after informal training with me. They are just starting the first medical school in Southern Rhodesia. There are no dental schools and no African dentists.

"My work is seasonal and sporadic. I

am busy for days at a time and then will come a lull. In planting and harvest times, people come only when really driven by pain! When I go to our other centers for annual visits, the students keep me busy. They are beginning to see the value of cleaning and filling teeth.

"I also care for the teeth of the missionaries and their children. Lately I am attempting some orthodontic treatment on our oldest daughter's teeth. I have visited several of our district clinics and will do so more regularly this year. Some of you have sent gifts for a mobile dental clinic. Thank you for them. The gifts received are not enough for me to think of getting the unit as yet. I have applied them to the present vehicle I am using and hope that it will become possible to get the mobile unit later.

"Our Nyadiri hospital has received several large shipments of drugs from Church World Service and from the Christian Medical Society. These have been most helpful. Tuberculosis and bilharzia are the most common adult diseases. Severe malnutrition, diarrheas and complicated measles are probably the most common children's diseases. The Federal Government here gives the hospital many drugs at little or no cost.

"Marjorie is teaching in our Nurses' Orderly Training School since the director of the school has gone to America on furlough. The new director is a very capable RN from South Africa, whose husband has been in charge of the teacher-training school here at Nyadiri. He will be going to Australia soon on a government scholarship to study school administration.

"Our four older children (Kenny, 10 Gale and Peggy, 12 and Kay, 13) were home for the Christmas holidays from December 7 to January 21. This was a lively time and made us realize we're getting old! We all sang in the church

choir and enjoyed the Christmas music. We want to thank you all for the many beautiful cards and gifts you sent to us. It never ceases to amaze and humble us that many of you remember us regularly with your prayers, thoughts and letters. Barbara has begun a new school year in the multiracial school at Nyadiri.

"Each day we are more aware that Christianity is the only answer to all of Africa's needs. Our pastor, the Rev. Chidzikwe, holds overwhelming responsibility in the spiritual guidance of more than 700 students, teachers, workers and lay people who fill Nyadiri church. Other dedicated Christian pastors work faithfully through the conference in these trying times. Please continue to pray and give that Christ's Kingdom may truly come."

Class of 1946

Dr. Charles C. Alling, Col., DC, U. S. Army, U. S. Army Command & General Staff College, Truesdell Hall, 211, Fort Leavenworth, Kansas, writes,

"The first five months of this year I've been a student, graduating on May 10, at this senior tactical school in the Army's educational system. It has been a tough and challenging course. My next assignment, beginning in June, will be as director of dental research, U. S. Army Medical Research and Development Command. I'll have privileges at Walter Reed General Hospital so I'll be able to remain active in clinical oral surgery, and I expect to continue my teaching and lecturing efforts in oral surgery and dental education."

Here is a bit of news that we know you will all be interested in hearing, even though it is a little late in getting to you: Dr. and Mrs. Joe Gordon White, 4340 North Arlington Avenue, Indianapolis, Indiana, announce the birth of their baby boy, John Gordon White, on March 3, 1963. Betsy, one of our dental hygiene

graduates, writes, "he is a very good baby and has kept me quite busy. He is growing fast—at two months he has more than doubled his birth weight."

Class of 1948

Received a beautiful card from Hawaii from Dr. and Mrs. Joseph C. Muhler, 420 Buckingham Drive, Indianapolis, Indiana, in which they say,

"We're having a marvelous time and know now why Hawaiian vacationers are so enthusiastic." (As most of you know, I also know, having spent four months in Hawaii several years ago, and loving every minute of it!)

Class of 1950

Received a change of address from Lt. Col. Robert D. Youmans, Dental Surgeon's Office, Medical Division, Hdqtrs. USAREUR, APO 403, New York, New York, in which he reports,

"Until recently I was Chief of Oral Surgery at the 2nd General Hospital, Landstuhl, Germany, but just two months ago (this was written last December, but somehow failed to make the first 1963 issue of the Alumni Bulletin—Mrs. H.) where I am now Deputy Dental Surgeon."

Class of 1952

We have been informed that Dr. Rafael Aponte, Avenue de Diego 309-311, Parada 22, Santurce, Puerto Rico, was invited by the Scientific Commission of the Dental Federation of Central America and Panama to take an active part in the sixth congress of this organization which was held May 5-10 in San Salvador.

Class of 1959

Received a change of address as follows: Dr. W. Joe Hilton, Miramar Profes-

sional Building, 6855 Hallandale Beach Boulevard, Miramar, Florida.

Received a note from Dr. Jerry L. Pollard, Lt., DC, USN, 13322 Keating Street, Rockville, Maryland.

Class of 1960

Dr. Johnston received such an interesting and newsy letter from Dr. Harvey G. Levinson, 13320 Riverside Drive, Sherman Oaks, California, and we asked him if we could not extract some of the choicest news from it, as follows:

"Stuart Ewbank passed the boards here a few months ago; he is going into practice in the Long Beach area. I hope that things will work out for him."

"Not too long ago Eskew came out for a visit, we took a drive out to Blythe, California, and saw George Von Mohr and Tom Tolnay. They both look good and are feeling fine. They both have good practices and are working very hard."

"I received a letter from Chris Nikias; he has a practice in New York City. His wife just had a baby girl; he seems to be an unusually proud father."

"How is Ray Maesaka doing; tell him hello for me."

"The weather has not been too good lately, but soon it should be sunny again. In a few weeks I plan to take a small trip. There are so many places to go out here, it's hard to decide on just where to go."

"I would have liked to come back to Indiana for the May meeting, but it was not possible this year; maybe in 1964 or '65."

"I am now a partner in this office, and my practice has grown very nicely."

Dr. Richard Elzay, Medical College of Virginia, School of Dentistry, Richmond, Virginia, writes,

"I hope and trust that this letter finds you in good health and spirits. I realize that this a very busy time of the year for you people in the front office. Enclosed please find my contribution to the per-

petuation of this work—seriously though, as you probably know, I have decided to stay on here at M.C.V. instead of going to Maryland with my present boss (J. J. Salley) who is the new Dean at Maryland. I feel very flattered to have had my cup run over so early in the game.”

Class of 1961

Dr. James E. Vaught, DC, USN, 4132 Mother Hubbard Drive, Jacksonville 10, Florida, writes as follows:

“I must join the ranks of those who write to say how very much receiving the Alumni Bulletin means. I can hardly believe that two years have passed now since I last saw I.U.S.D. Just ten days following my state board exams in 1961, my wife and I flew to New York City where we boarded an MSTS liner for Guantanamo Bay, Cuba. These past two years have been filled with many surprises, to say the least.

“On May 8, 1962, we were blessed with the presence of a son, James E. Jr. During that first year it was our privilege to visit San Juan, Puerto Rico; Port Au Prince, Haiti; Montego Bay, Jamaica; Colon, Balboa and Panama City, Panama.

“All was going well last fall when we were recuperating from a trip home to Indiana in August, then on October 22, 1962, my family was evacuated very quickly and the Cuban Crisis was upon us. I shall long remember the suspenseful and lingering days that followed. Fortunately, all the tension was relieved and my family returned to Guantanamo on December 24, 1962. Needless to say, our Christmas was the happiest ever.

“The early months of 1963 provided me a favorable response to my application for a regular Navy appointment and just recently I was sworn in the regular Navy. I now have orders to the Naval Air Station, Cecil Field, Florida (near Jackson-

ville). We will be there for two years.

“I have found the Navy an excellent course of training by the association with boarded men in all major fields of dentistry and the availability of postgraduate training.

“We shall be leaving Guantanamo on July 19, 1963 and I hope to be able to visit I.U.S.D. before I report to Cecil Field.

“A hearty hello to all our friends!”

Dr. A. Merlin Wuebbenhorst, Delray Medical Arts Building, Delray Beach, Florida, sent us this change of address and a short note saying,

“I’m sorry! Seems like there is just no time to write letters. We’re in new offices and it seems to be the talk of the med. and dent. profession here ‘bouts. Can’t go into detail but would be glad to show you when you are around these parts. It is really a very comfortable office.

“Lora has been busy with the playhouse the past two months. Last month she was in charge of props; this month she is production manager; and next month she is acting—yes acting in the ‘Witness for the Prosecution’.”

Dr. Robert Winkler, Dental Officer, P.H.S. Indian Hospital, Sacaton, Arizona, had an interesting article and picture in the June issue of the Arizona Dental Journal. Dr. Winkler visited the school recently and spoke of his unusual experiences at Sacaton. We certainly like to learn of these different assignments and I thought you all would enjoy the article, which reads as follows:

“In conjunction with National Hospital Week, May 12-18, the Sixth Annual Sacaton Hospital Day was held on May 16 at the U. S. Public Health Service Indian Hospital in Sacaton. (Sacaton is 17 miles south of Chandler on the Gila River Indian Reservation.)

“Using the theme of “Today’s Hospital—Career Center for America’s Youth,” twelve hospital departments including the

dental department, prepared exhibits pointing out careers available, duties of each career and the requirements needed including time and cost involved in achieving these positions.

"For the first time, off-reservation high school students were included in the day's activities. Selected students were sent by the Casa Grande, Coolidge, Eloy, Maricopa and Seton of Chandler High Schools.

"Students selected by the Casa Grande High School guidance counselors and principal were assigned to hospital personnel for the morning's program. Of the 16 students utilized in the "run the hospital" program, two were in dental clinic. Mark Carlton and Dolores Bohnnee, both junior students at Casa Grande High, observed the normal running of the dental clinic and saw restorative dental procedures done. So that they could act as guides and informants for the visitors during the 'open house' in the afternoon, both Mark and Dolores were given detailed information on the field of dentistry and the opportunities available for qualified young people. Mark is intending to enter dentistry and stated that he thoroughly enjoyed the day's program and had not been aware of many things that were brought out.

"Better than 400 people attended the 'open house' session between 1 and 4 p.m. The vast majority of these were students, counselors and other on and off-reservation people. The majority of the Indian adult people attending were interested parents and tribal council representatives.

"As Chairman of the Sacaton Hospital Day Committee, I had hoped the program would accomplish many things. I had wanted to create greater initiative in the Indian beneficiaries, create better understanding between reservation and the surrounding communities and get students interested in going into the various hospital careers. I especially wanted to get the best students interested in giving

dentistry serious consideration when deciding upon their life's goals. As evidence that we were successful in accomplishing this, many students came back to the dental clinic after their guided tours of the hospital and discussed in detail the requirements and advantages of dentistry dental hygiene and dental assisting."

Class of 1962

We were glad to hear from Dr. Edwin Sakurai, Capt., USAF, 6 Meissner, Las Vegas, Nevada, who is spending a lot of time at Nellis Air Force Base, Nevada.

Received a note with corrected address from Dr. Ernest W. Davidson, 1432 19th Street, Bedford, Indiana.

We are quoting in its entirety the following and very interesting letter we received from: Dr. and Mrs. Nelson L. Wolfe, USPHS ANHS Hospital, Barrow, Alaska.

June 16, 1963
Barrow, Alaska

Dear Mrs. Harvey:

"Hello again—for the third newsletter from Barrow! I really hadn't planned to wait this long before writing, but I wanted to be able to say we were completely settled again (after the fire) when I wrote. For those of you who have had no news of us since Christmas, January 16 was an eventful day for us. Nelson and I were awakened about 4:00 A.M. (Nelson thought it was due to one of his dogs which he had chained in the furance room for the night, but this didn't turn out to be the case.) by the water pipes making unusually loud knocking noises. We immediately smelled smoke and Nelson began searching for a fire at once. Then we decided to vacate, and upon awakening the doctor and family (who called the hospital to turn in the alarm) all seven of us were out of the duplex in less than 5 minutes. This was good fortune for us, as the maintenance supervisor, who

came in the door as we went out, could not make it completely through the house, but by crawling on the floor and breathing through the sleeve of his jacket escaped through the laundry room door. (The medical and dental quarters are connected by a hallway, separated by a laundry room and furance room on either sides of the hall.) After several hours of fighting, the house was saved, due mainly to the professional aid and equipment of Puget Sound, and Drake. (PS&D is located $4\frac{1}{2}$ miles north and is under contract to maintain the DEW-line here at Barrow.) We had very few things totally destroyed, many things stained with smoke (some of which was removed by continual cleaning), and everything left with a smell of smoke. (The smoke was a chemical smoke—very thick, black, and stinging to the throat.) The doctor and family had much more destroyed (clothing) than we did; however, cans of food burst in our pantry and we were made to throw away everything (which was in the pantry) that was edible except nuts, of which, we discovered later, some were roasted black. (We now have food, purchased at the Elmendorf Air Force Commissary in Anchorage by the doctor's wife while she was having a short vacation out of Barrow.)

"The fire itself was under the floor, and was contained there fairly well. It broke through in our pantry and the doctor's baby's room. This meant most of the rebuilding had to be done underneath the house, which wasn't easy in January weather, but much of the flooring and a few of the walls had to be replaced. The work was accomplished in a relatively short period; we moved back "home" (We lived in the apartment in the home of Rev. John Chambers, the Presbyterian minister, while waiting for the construction of our house to be completed.) in the middle of March and the doctor and family moved back in a couple

of weeks later. We did not have a living room rug, blinds and drapes, lamps, and numerous odds and ends. Our old living room rug was usable and was finally put down the last part of May. (The doctor's old rug was singed and could not be cleaned and used.) Last week the last of our blinds, drapes, and lamps arrived, so our home now looks complete again, even though the bedroom furniture is badly smoke stained. We are trying to be patient by thinking of next September or October after the North Star will have come and gone and we will have new Danish modern furniture; wall-to-wall carpeting for the living room, dining area, and hall; and a new supply of food.

"After Nelson and I wrote the Christmas letter which we sent to you, Nelson went to Wainwright on a field trip. He planned to come back the Friday before Christmas (Tuesday), but because the weather was not suitable for flying, he was two weeks late in getting home. (Thus, we spent our first Christmas apart since marriage, and he had to miss the Open House which Judy, Dr's. wife, and I gave.) The wind was rather fierce on Christmas Day, being as high as 50 mph. at Wainwright (which is about 90 miles south of here). We really can't boast of too many days such as that this year however. As long as the temperature stays down around 30° below the wind doesn't generally blow much, but when the temperature rises to 20° above (in the winter months) the wind can get pretty fierce. Therefore, we like for the temperature to stay cold in the winter, because we can withstand it with adequate clothing. (One knot of wind makes the temperature feel 2° lower, so you can imagine what it's like to be in a 30° temperature with the wind blowing at 20 knots.)

"I guess the worst thing about winter is the dark season when we don't see the sun for $2\frac{1}{2}$ months. The dark season

actually passed fairly quickly for us, though, and we did enjoy the beautiful Arctic moon—and believe me, you've never seen a real moon until you've seen the Arctic moon shining across the ice and snow. Nelson even went sledding a few times at night, being able to see from the light furnished by the moon. Most of the time, however, we had to carry flashlights to be able to see well, even in the middle of the day.

"The moon is not the only beauty of the winter season. The aurora borealis gave a striking performance many evenings. Sometimes it was feathers blowing in the wind, sometimes curls of smoke racing around the sky, sometimes sheets enveloping the whole atmosphere, sometimes curtains shimmering in the breeze, but always with a beauty of its own. Rarely were we privileged to see colors, usually pink and/or green, but each time it was magnificent.

"When the sun finally appeared it seemed no time at all until we started having the 24-hour sun. With a 24-hour sun it doesn't take long for these huge snow drifts to melt away, and then one almost feels as if he's in the swamps around here, as the water can't sink into the ground because of the permafrost. The snow buntings begin to sing, the grass on the tundra greens, and the tiny little tundra flowers begin to appear. We have some pussy willows in a vase, and I am going to try to preserve some of the little yellow buttercups. They all grow very close to the ground because of the short growing season and mainly because of the short space in which roots can grow before reaching permafrost. We took a walk out on the tundra last night to see the flowers, and were amazed most of all by the numerous birds and their pretty songs. Nelson even stepped on a bird's nest before I could let out a screech to warn him, and broke one of five eggs.

It was certainly well camouflaged by the tundra grass.

"We thoroughly enjoy the midnight sun except for one thing. It entices us to stay up past bedtime (It's not unusual for the nights to be beautiful, even when the days are cloudy), and once we do get to bed we can hardly sleep, even with night shades to help keep the sunlight out. (Our bedroom faces the west and gets the midnight sun). It actually bothers us more this year after having gone through the night season, than it did last summer when we first arrived.

"Nelson enjoyed the winter primarily because of his dog team I think. His team consisted of Traveler, the lead dog; No-Name, a captured stray; Starlight, a registered Siberian Husky (who will be lead dog next year); and four borrowed dogs which he kept and fed but for which he paid nothing as the owner could not run them and wanted them to get exercise. He also has two pups, Pat and Buster, which join the team next fall. The team certainly gave its share of trials and tribulations, but it was well worth the enjoyment they provided. Nelson did a good job of training them and they furnished several scenic and fun rides for the Tunics (white men) around here. Nelson and Stan Zent (school-teacher) spent nearly every weekend sledding, going to the Will Rogers Monument, the Point, and various other places. When whaling started this spring they went out to the camps every night the first week or two, and later they went out to see the small white beluga whales which the natives shot. They hooked up the dogs at midnight to go out and see the first small bowhead whale shot this spring, and Nelson took them out to see the only large bowhead (black) whale the natives shot. Needless to say he has some of the most gorgeous slides I have ever seen and we are anxious to get home and show them to you.

"I also had the opportunity of seeing the large bowhead whale by flying out and back (to the whaling camp where the whale was shot). (If you have never taken off, flown over, or landed on ocean ice you have certainly missed an experience, an experience I can't say I heartily recommend). The whale was 49 ft. long and weighed approximately 50 tons. Several teams fired at it and 10 to 15 bombs were fired before it was killed and taken. (Each whale bomb costs about \$20). After it was killed the big problem was getting it upon the ice and then butchering it, which took 2-3 days. I spent about 6 hours at camp watching and saw them cut off many pounds of muktuk (skin) and blubber. They also tried during this time to pull the head, $\frac{1}{3}$ of the whale, up on the ice with the rest of the body, but never succeeded. While there I tasted raw and cooked muktuk. The cooked is much better, but is very rich. Most of the natives said the muktuk was tough (The whale was an old mother whale), but it didn't seem tough to me. We had whale steaks from the small whale, shot earlier in the year, and also enjoyed them.

"The 24th of June we are supposed to have Nalakatuk, which is the celebration they have for the whales they shoot. They have blanket tossing and many other games, etc., and we are anxious to attend this.

"Being isolated where I must either bake my own bread or pay high prices for white bread has proved to be a blessing. I have thoroughly enjoyed my bread baking, and it really doesn't take as much of my time as I had imagined it would. I have experimented with recipes nearly all year until I finally have a whole wheat recipe which I like very much. (If any of you are interested, write and I will send you a copy. Sneaky way to get letters, isn't it?) It is much more nutritious and tasty than store-bought bread, and I hope that I can

always continue to bake my own bread even after leaving the arctic.

"When we first came last July we could buy only a very limited supply of groceries here and then paid enormous prices, but since then the Barrow Shopping Center has been put in and other stores have expanded their line of groceries and we can buy almost anything we would at home. Of course, it is still much more expensive, as Alaska prices are high in the first place, then the stores pay either parcel post (8-10¢ per lb.) or air freight charges (15¢ per lb.) from Fairbanks, and add their own mark-up to that in order to obtain a profit. We are evidently getting used to the high prices, though, as we buy much more freely now than we did a year ago and aren't quite as shocked by some of the high prices. We have occasionally ordered fresh things from Fairbanks, and always order eggs from there, which average 90¢ a dozen including freight. (We use powdered eggs for baking). Most of the time we depend upon our alfalfa sprouts and carrots (ordered on the North Star) for fresh vegetables. Tomorrow we are sending our order in for next year's food supply, and we just covered up prices and started marking when it came time to make out the order. It seems as if food prices in Seattle have gone up since last year (especially citrus juices—understandably) and I can hardly stand to pay 32¢ for a 6 oz. can of frozen orange juice when I have to order 200 cans (although I had to pay 41¢ a can plus air freight from Fairbanks recently). Oh well—

"Something I have wanted to learn to do all year, and finally did learn, was skin (fur) sewing. Furs must be sewn by hand, and although some natives still use sinew, most natives use dental floss for skin sewing. It is relatively simple, once learned, and I am going to attempt to make Barbara some boots now, as she is rapidly outgrowing the ones her Eskimo grandmother made her 2-3 months ago.

I slit the fur a few inches down the front of my packing parka and put in a zipper by hand yesterday so Barbara can poke her head out the back and see the world now.

"I don't think I actually ever described my parka or our other clothing we wear for warmth here. I have a parka, a little longer than coat length, made from rabbit fur with the fur turned inside. Wolf and wolverine were both used for the ruff. A removable covering (snow dress) of red corduroy is over the parka. It is very loose fitting and is called a packing parka because I put Barbara inside on my back (which took a little practice to learn!) and belt it at the waist to keep her in. I plan to get a short parka next year to wear when I'm not packing. I have fur socks and mittens (made from mouton), but I never got to wear the socks as my tutuluks (boots made from caribou) were never made. Therefore I wore Sears' leather boots with fur trim which were fairly warm. Next year I will either have mukluks (boots made with oogrük—bearded seal—soles, which are waterproof) or tutuluks made so I can wear my fur socks and not have to worry about getting cold feet when I go sledding with Nelson.

"Nelson has a heavy duty Eddie Bauer parka (goose down) which has served him well. He had a hunting shirt to cover it, but he didn't wear it much and his parka is filthy now. Thus he is getting a dressy muskrat parka made, with the fur out, and it is beautiful!!! He has some knee length oogruluks (boots which are made completely from seal) and most of the time wears regular gloves, although both of us got huge wolf mittens late this spring. I had never realized how warm fur actually is, but I have yet to get cold even at 40° below if I am properly dressed.

"We are having a parka made for Barbara with the muskrat bellies left from Nelson's parka, and I am going to make

the snow dress. I plan to have the mittens sewn right into the parka so that we can put warm boots on her, slip the parka on over her head and send her out to play knowing that she is warmly dressed with mittens, coat, and hat all in one piece. It is such a convenient arrangement that I plan to do the same when we get back to the "South 48," using a quilted lining rather than fur unless we live in a very cold climate.

"I almost forgot to mention about the polar bear hunting season—which ended about 2-2½ months ago. I've forgotten just how many small planes we did have on the lagoon out in back of our house, but I think it was around 15. Two planes are used for bear hunting. One is called the cover plane and "covers" the bear while the first plane, containing the hunter, lands and secures the bear. I have no idea how many hunters were here, but there were many. We met a few—five doctors from Ft. Wainwright (friends of the Dr. who delivered Barbara), a mink farmer from New York (who had a mink parka, and talk about gorgeous!), a colonel (chief surgeon of the Alaska Command) from Elmendorf Air Force Base, and others. Most of them paid the non-resident tag, which is rather expensive, besides paying \$500-1500 to the guides to fly them out. Nelson will be a resident next year so maybe he can get one with a little less expense. He would like to have a dall sheep (I'm all for that!), but that can also run into expense, so right now he's satisfied with ducks, jaegers, and the numerous other birds around here. He did go seal hunting this year, and wasn't successful even though he did get to shoot at some. He says the closest he has come to a live bear, as far as he knows, was crossing some five-day-old tracks.

"Within a month the ice should be going out from shore (taking the barrels of garbage with it—thank goodness!) and when it does go Nelson hopes to have a

boat and motor here (delivered air freight, yes, at 15¢ per lb. !!**!!) so he can make full use of the open water immediately. Actually, plans have been made in the last few days to borrow a motor already here in Barrow, but the boat will probably have to be bought and shipped up. We hope to go to one of the lakes south of here (Can you go any other way?) and camp out this summer. Nelson wants to learn how to set his own fish nets (which he is borrowing from a PS&D employee). The male public health (state) nurse may go into this venture with Nelson, so the five of us (the state PHS nurse's wife, who is a USPHS nurse at the hospital, makes the fifth) may get to do some boating this summer.

"Come July I will have to find a new babysitter. I have been teaching piano to the daughter of our maintenance supervisor, and she has been babysitting for me to pay for her lessons. She finished the 8th grade this year and will be going to Colorado the first of July to live with her grandmother and go to high school. (There is no high school here. The state provides for the more capable natives to go to Mt. Edgecumbe to high school). I hate to see her go as Barbara is quite fond of her and I feel sure that Barbara is all right when I leave her with Stephanie. Besides that, I enjoyed giving her lessons, as she is eager to learn to play the piano and practices faithfully.

Besides the piano lesson I have also been teaching a home economics class. A few of us started the class with high hopes, but we have difficulty getting girls to come regularly (which has been the case with other groups—Girl Scouts, Boy Scouts, etc.—and they eventually failed). That is only one of several problems, but we are still meeting each week. The group is called the Barrow Home Arts Club and is for girls ages 16-25, as we feel this age group needs the information which can be obtained through the club as well as a place to go and something to do. Even if

the club doesn't continue through the summer and next year I feel that the few girls who have attended thus far have already benefited a great deal.

"June brought not only warm weather but also the tourists to Barrow. I saw quite a large group here yesterday afternoon so I imagine Wein Airlines is happy. We are glad to see tourist season start, not particularly to see the tourists, but because it means mail every day instead of 3 days a week. I can't imagine what ideas these people take with them from Barrow when they are here just one day. Their attitudes probably aren't very favorable as they're seeing only the surface, which isn't impressive. They sure look at us Tunics queerly, probably wondering why in the world we are here. However, we have met a few and enjoyed talking to them.

"We are purchasing a few souvenirs now and then to bring back with us, and our latest purchase was a cribbage board carved from a walrus tusk. This meant we had to learn how to play cribbage, of course. Another recent purchase was a set of 3 seals made from real sealhair. Barbara has adopted the baby seal and likes it better than any of her toys. We plan to get more ivory carvings and a baleen (whalebone) basket before we leave. The husband of the woman who is making Nelson's muskrat parka makes baleen baskets, and since they cost from \$20-100 we thought we would wait until next spring when we know him real well before we ask him to make us a basket. By the way, if any of you want any souvenirs—seals, walrus, ivory jewelry, ivory carvings of arctic animals, Eskimo yo-yos (too difficult for small children to operate), baleen baskets, etc., just let us know and send us the money!

"I've saved the best to the last—Barbara. She is quite a happy and healthy-looking little gal, weight about 22 lbs. and measuring about 28½" tall at last clinic visit. She still has only 4 teeth, not

having cut any since April, but it took ages for her to cut those four so we haven't given up. Anyway, she seems to wait for holidays to cut teeth, and July 4 is just around the corner. She still has big sparkling blue eyes, which are the first object of comment when someone sees her for the first time. Her hair is very blond, but not very thick yet. What she does have seems to have a tendency to curl. Hooray! She crawls anywhere and everywhere, but can get there faster in her walker. (It's more of a "runner.") She waves and says by-by, and the past few days she's been saying something that sounds like "see" when she points to various things. She stands alone for short periods and walks anywhere she can grab hold of something, so we are expecting her to begin walking soon. She amazes us each day with some new skill, mostly with her hands. Last week she learned to roll the ball to Nelson and bounce it on the floor, which thrilled all 3 of us. Just wish you could see her—She will be 10 months old the 25th of this month.

"The year here in Barrow has been full of new experiences, new sights, new friends, new things to learn—some the hard way—and we could never begin to mention or explain them all, partially because I don't have the vocabulary, but mainly because you could never understand without having "experienced" Barrow. All in all we feel that the year has been very worthwhile for us in many ways. We most certainly feel that the Lord directed us here and that in some way He is preparing us for the future. We can't imagine what the future is at this time, as we don't even know what we will do or where we will go a year from now when we leave Barrow. It will be south (I'll NOT go to the North Pole!), that's for sure! Nevertheless, we are sure it will be part of a plan, wherever it is, for God surely is guiding. We may fall and stumble and even be criticized for falling short of perfection when we dare to call ourselves

Christians, but all the more reason to draw nearer to Him that He may more perfectly lead us.

"Since we can't seem to get personal letters written to all of our friends in various spots of the "South 48," we decided to mimeograph our newsletter this time, rather than type carbon copies, and send to each of you. We are still asking that our parents and friends in key spots pass it on to our relatives and other friends who might be interested in reading it."

And now we are pleased to bring you the names and addresses of our

Class of 1963

- Dr. Don E. Abel
Lynnville, Indiana
- Dr. Robert E. All
5910 Crawfordsville Road
Speedway City, Indiana
- Dr. Cecil E. Alumbaugh, Jr.
Box 87
Greenwood, Indiana
- Dr. J. Douglas Badell
11 N. Pearl
Knox, Indiana
- Dr. Stephen K. Bailie
440 N. Winona
Indianapolis, Indiana
- Dr. Walter W. Ballard, Jr.
621 South Rush
South Bend, Indiana
- Dr. Robert D. Bartels
8 N. Garfield
Valparaiso, Indiana
- Dr. Robert F. Becknell
2028 Michigan Avenue
LaPorte, Indiana
- Dr. Joseph G. Benham
Leavenworth, Indiana

Dr. Richard D. Blanchard
421 Stanford Way
Sparks, Nevada

Dr. J. Thomas Bohnert
6010 Southeastern Avenue
Indianapolis 3, Indiana

Dr. Charles A. Bond
2602 W. 18th Street
Indianapolis 22, Indiana

Dr. Walter Wah Yai Ching
1300 W. Michigan Street
Indianapolis, Indiana

Dr. Ronald E. Copeland
R. R. 3
Kendallville, Indiana

Dr. Alan E. Corns
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Indianapolis, Indiana

Dr. Richard E. Cowan
440 N. Winona
Indianapolis 2, Indiana

Dr. Daniel B. Crane
R. R. 1, Box 15
Hillsboro, Indiana

Dr. William C. Current
1705 N. Walnut
Muncie, Indiana

Dr. Eugene L. Dellinger
R. R. 2, Box 44A
Brownsburg, Indiana

Dr. James E. Dice
20 Flora Drive
Peru, Indiana

Dr. Donald J. Dicks
158 East 10th Street
Brookville, Indiana

Dr. Thomas V. Doty
1215 Illsley
Fort Wayne, Indiana

Dr. Philip L. Drake, Jr.
1227 N. Madison
Bloomington, Indiana

Dr. James P. Edwards
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Hammond, Indiana

Dr. Richard L. Fisher
1121 W. Michigan Street
Indianapolis, Indiana

Dr. Richard A. Fox
5230 North College
Indianapolis 20, Indiana

Dr. William H. Foy
730 Burton Place
Arlington Heights, Illinois

Dr. Ted L. Fullhart
c/o Mr. Don Owen
228 South College
Muncie, Indiana

Dr. Richard L. Gore
420 Toschlog Road
Richmond, Indiana

Dr. Duncan A. Gosling, Jr.
2524 Lafayette
Columbus, Indiana

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Dr. Charles R. Hayes
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Dr. Sam Heltzel
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LaPorte, Indiana

Dr. Richard Hori
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Indianapolis 20, Indiana

Dr. Hubbard Houghland
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Scottsburg, Indiana

Dr. Ronald A. Hunt
2006 Cunningham Drive
Speedway, Indiana

Dr. J. Richard Hurley
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Muncie, Indiana

Dr. Robert A. Kenney
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Indianapolis 24, Indiana

Dr. Rodney M. Kirchoff
Freelandville, Indiana

Dr. Jerry E. Lambert
Crown Point, Indiana

Dr. Peter H. Leonard
902 N. Pennsylvania, #301
Indianapolis 4, Indiana

Dr. David C. Lind
55 N. Franklin
Bloomfield, Indiana

Dr. David J. Mahoney
No address

Dr. John T. Mayhall
605 Anderson Street
Greencastle, Indiana

Dr. Jon S. Michael
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Plainfield, Indiana

Dr. James M. Myers
415 Crescent Drive
New Castle, Indiana

Dr. James L. Neafus
410 West Market Street
New Albany, Indiana

Dr. John W. Nyberg, Jr.
913 Twykenham Drive
South Bend, Indiana

Dr. John H. O'Conner, Jr.
614 N. Moreland Avenue
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Dr. Drew F. Oldham
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Indianapolis, Indiana

Dr. Richard A. Orr
9880 W. 10th Street
Indianapolis, Indiana

Dr. John W. Osborne
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Indianapolis, Indiana

Dr. Richard Osburn
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Indianapolis, Indiana

Dr. William S. Palvas
712 Gary National Bank Building
Gary, Indiana

Dr. John A. Rahe
207 Hanover Avenue
Aurora, Indiana

Dr. Norris L. Richmond
727 W. 11th St., Apt. B-2
Indianapolis, Indiana

Dr. William B. Risk
No Address

Dr. Robin A. Roberts, Capt., 05519071
Fort Bliss
El Paso, Texas

Dr. Edwin S. Robertson
7605 E. Washington Street
Indianapolis 19, Indiana

Dr. Robert R. Rock
206 Madison Street
Knox, Indiana

Dr. William Rosenstein
1613 Davis Avenue
Whiting, Indiana

Dr. Peter D. Rucinski
5126 Ruth Street
East Chicago, Indiana

Dr. Clifford T. Salkeld
2239 E. Madison
South Bend, Indiana

Dr. John W. Sandlewick
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Dr. Robert T. Schmidt
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Greenwood, Indiana

Dr. Cynthia M. Shellburne
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Decatur, Illinois

Dr. Roy C. Simpson, Jr.
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Dr. Hugh A. Smith
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Dr. William E. Teschner
2502 Wabash Avenue
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Dr. Reuben L. White
3016 N. Gale Street
Indianapolis 18, Indiana

Dr. John L. Wilhoite
General Hospital, Extern Annex
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Dr. Ermal C. Wilkinson
Box 147
Stewartsville, Indiana

Dr. Walter C. Wilson
R. R. 1, Box 7
Sunman, Indiana

Dr. Keith E. Yoder
R. R. 3
Goshen, Indiana

It is also our pleasure to report that the following alumni visited the school and signed the Register in the Recorder's Office:

Class of 1935—Dr. M. J. Bean, Hackensack, New Jersey

Class of 1938—Dr. James O. Blythe, Jr., 3312 Weller Rd., Silver Spring, Maryland

Class of 1947—Dr. William A. Kunkel, 3824 S. Calhoun St., Fort Wayne, Indiana

Class of 1948—Dr. Ca. Christensen, Bremerton, Washington

Class of 1949—Dr. W. L. Turnley, 5705 Bluffton Road, Fort Wayne, Indiana

Class of 1950—Dr. Arnold E. Felten, Valparaiso, Indiana

Class of 1950—Dr. R. Linnemeier, 422 East Kirkwood, Bloomington, Indiana

Class of 1951—Dr. Frank O. Harper, Plainfield, Indiana

Class of 1952—Dr. Elmer T. Duncan, 810 Med. Gp., Fairchild AFB, Washington

LIBRARY

(Continued from page 21)

and the similarity of the histologic pattern of the BW1081 neoplasm to that of a fibrosarcoma precluded an unequivocal conclusion that the BW1081 neoplasm is a myoepithelioma. Although the leukemoid response and the atrophy of the granular tubules of the submaxillary salivary glands are nonspecific responses, it is suggested that the tumor produced or caused the production of a substance responsible for precipitating these responses.

Who's Who and Where ???

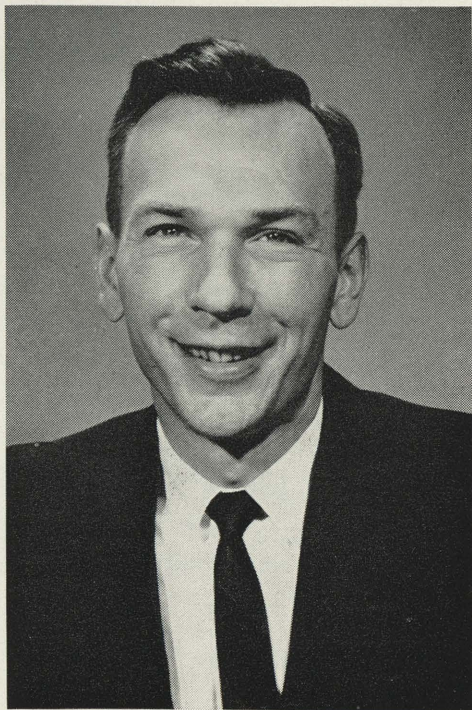
Dr. Paul Starkey

In this issue the name of Dr. Robert J. Johnson goes into the "Who's Who and Where" column. Bob was selected by the Jaycees of Carmel, Indiana to receive the distinguished service award for 1963. This is an award which is given to a man who is 35 years of age or under and who has been outstanding in his service to the community and exemplary in his own moral growth and leadership of others. This last Spring he was chairman of a committee to raise funds to establish an F.M. Radio Station in the Carmel School System and piloted the project to a successful climax by obtaining contributions surpassing the goal. He is a member of the Carmel Chamber of Commerce, Carmel Dad's Club, and is Vice-President of the Carmel Lions Club. He has been very active in his church. He is a member of the Indianapolis General Dentistry Study Club, the American Society of Dentistry for Children, and President of the Indiana Chapter of Psi Omega Alumni Association.

Bob graduated from Indiana University School of Dentistry with the class of 1955, and immediately after graduation, interned at James Whitcomb Riley Hospital For Children. Then he established his dental practice at 121 North Range Line Road in Carmel. He is the father of three children: Lisa, 6; Gail, 4; and Shelley, 2.

We extend hearty congratulations to Dr. Johnson and recognize that this type of community service on the part of the members of our profession brings much prestige to dentistry.

Three years ago we reported to you in this column that eight of the graduates of the 1961 class of IUSD were sons of fathers who had graduated from Indiana University School of Dentistry. You



Dr. Robert J. Johnson, 121 North Range Line Road, Carmel, Indiana.

seemed to enjoy this report so last year we reported again on the graduates whose fathers were dentists. In the 1962 class there were 15, which represents 20 percent of the class, who had elected to serve in the profession of their fathers. This seems very significant and last year we decided to make this an annual report in this column. The title of this column is "Who's Who and Where" and most certainly a man who practices his profession in such a manner that his son, who has observed him closely for nearly twenty years, elects to follow in his footsteps, belongs in "Who's Who" and you, who are classmates and friends of these fathers, are interested in the "where" part.

The Class of 1963 included 9 members whose fathers are dentists. This rep-

resents 12 percent of the class. This year I was unable to be present at the commencement exercises but prevailed upon Dr. Ralph McDonald and Dr. Jack Carr to get these graduates and their father together for photographs after graduation. I am grateful to them for doing this for me and both of them expressed enjoyment in this task. Herein, then, follows a report of these 9 graduates and their fathers.

Dr. Stephen Kent Bailie is the son of DR. HARRY BAILIE, whose home is at 1105 White Oak Drive, South Bend, Indiana. Dad graduated from IUSD with the class of 1929 and then returned to his home in South Bend to practice general dentistry. His special interest in the profession is the practicing of complete oral rehabilitation. He holds the rank of Commander in the United States

Naval Reserve and served with the Navy from 1942 to 1945 at Farragut, Idaho and at San Bruno, California.

Dr. Steve says that the only influence his father had on his choice of his life's work was that he hoped he would choose one of the professions. Dad must certainly have had a strong influence, however, for Steve's older brother is now a junior in medical school.

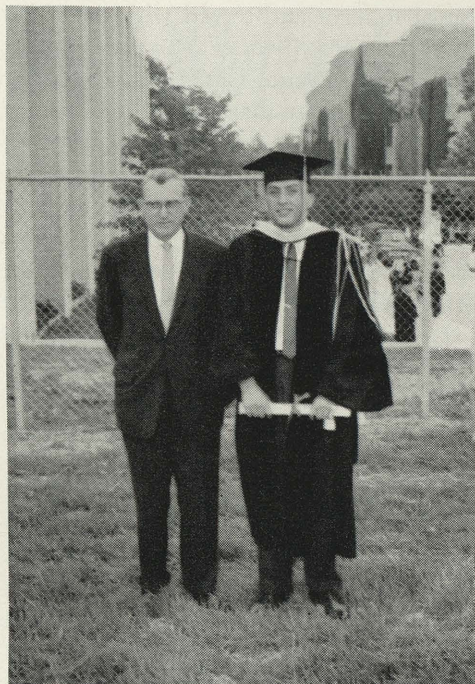
Dr. Steve enters the Orthodontic Graduate Program at IUSD this summer, and intends to return to South Bend to practice orthodontics after completing his specialty training.

Dr. Donald John Dicks is the son of DR. D. C. DICKS, who lives at 158 E. 10th Street, Brookville, Indiana. Pop graduated from IUSD in 1925 and returned to his home town to begin his practice.

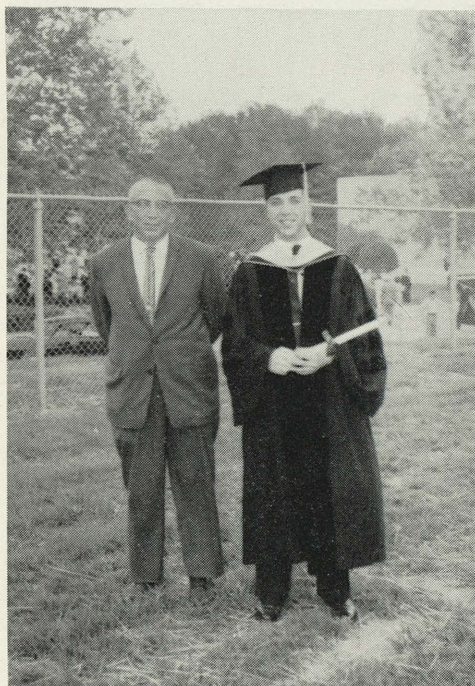


Left to right (back row) Dean Hine, Dr. Paul Oldham, Dr. Wray Monroe, Dr. Harry Bailie, Dr. Luther Doty, Col. Kirchoff, Dr. Marvin Smith, Dr. D. C. Dicks, Dr. John O'Connor.

Left to right (front row) Dr. William B. Risk, Dr. Drew Oldham, Dr. Cynthia Shellburne, Dr. Stephen Bailie, Dr. Thomas Doty, Dr. Rodney Kirchoff, Dr. Hugh Smith, Dr. Donald J. Dicks, and Dr. John O'Connor, Jr.



Dr. Harry Bailie and son, Dr. Stephen Kent Bailie.



Dr. D. C. Dicks and son, Dr. Donald J. Dicks.

One of Dad's greatest hobby interests is in the area of "do-it-yourself" electronics. His office is wired for sound with a Stero FM tuner and also a tape recorder and player. He has built several high-fi component kits and has wired his entire house for sound. Just recently he completed building a portable TV set and has now begun the construction of an electronic organ. He started playing the organ about 10 years ago and has become quite adept. In fact, his son tells me, sometimes he wakes the entire family in the morning by playing the organ. He also has a great deal of interest in photography and owns a Stereo 3-D camera and has recently obtained a movie camera and projector.

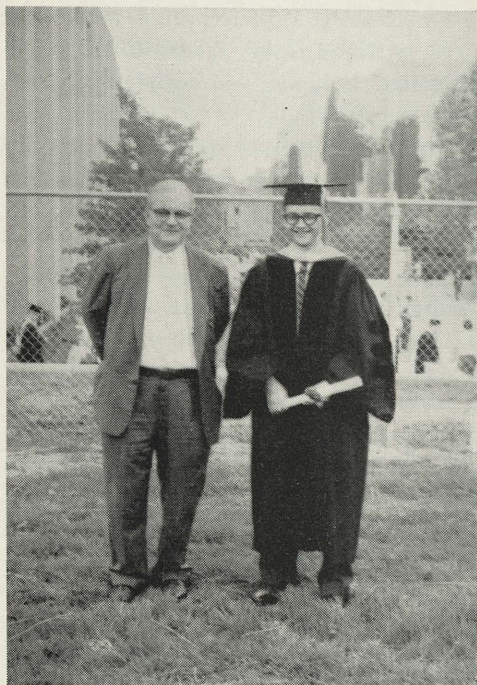
Son Don explains that his father's influence on him to study dentistry was indirect: "He didn't force me in any way, but tried to let me know all the facts about his—and now my—profession."

Another influence on Dr. Don's decision to study dentistry was the fact that his uncle and also his grandfather are dentists.

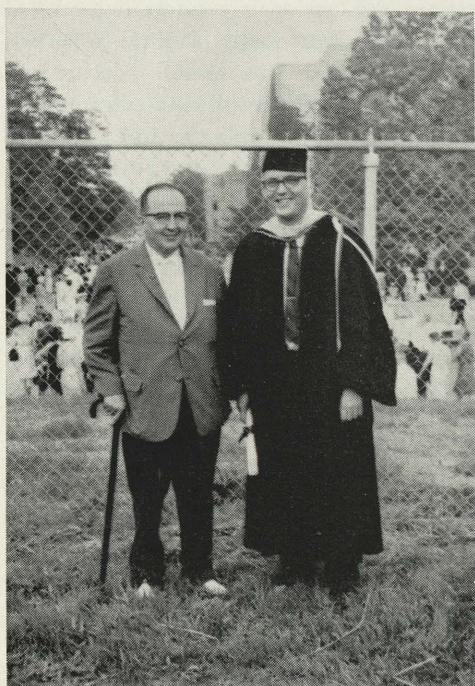
Two years ago, Dr. D. C. Dicks held the office of President of the Indiana Society of Dentistry for Children. This indicates the interest that Dad has held in his profession and the contribution he is making.

Dr. Thomas Veirs Doty is the son of DR. LUTHER D. DOTY, 1215 Illsley Street, Ft. Wayne, Indiana, who was a graduate of the class of 1929. Dr. Luther began his higher education by enrolling at the University of Cincinnati in 1924 to study engineering; however, he decided that his future belonged in dentistry and enrolled at IUSD in 1925. After graduation, he began his practice in Fort Wayne, Indiana and has practiced there since.

Dr. Tom Says: "Although I feel that my father wanted me to make my profession dentistry, he certainly did not push



Dr. Luther Doty and son, Dr. Thomas V. Doty.

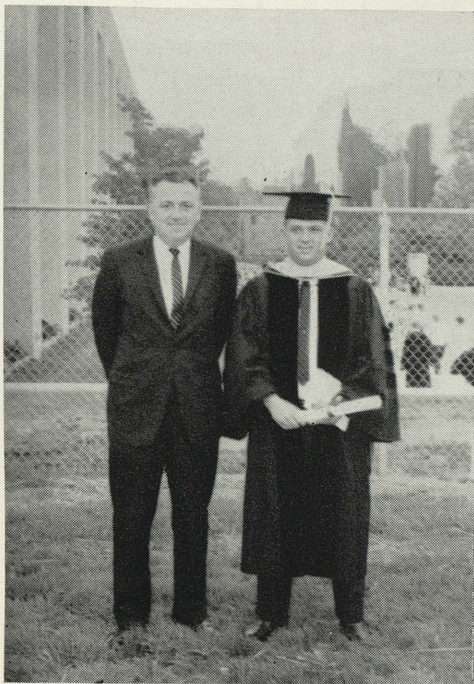


Dr. Paul R. Oldham and son, Dr. Drew F. Oldham.

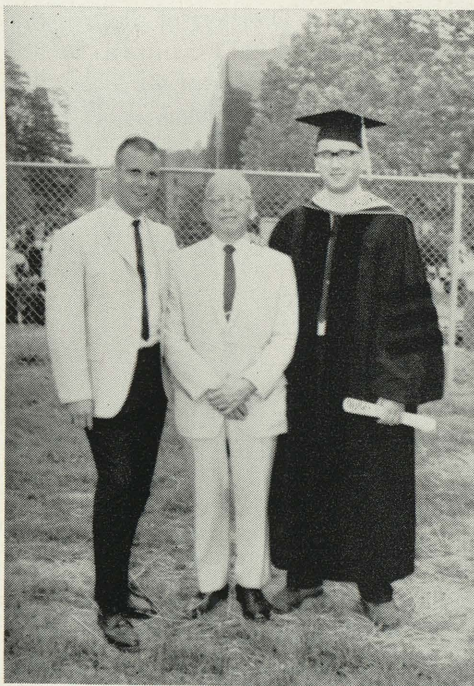
me into it. He felt that the decision would have to be mine in order for me to be happy. Nevertheless, I would say at this point that my father's enjoyment with serving in the profession was the deciding factor in my decision to make dentistry my profession."

Dr. Drew Frederick Oldham is the son of DR. PAUL R. OLDHAM, 5115 Central Avenue, Indianapolis, who graduated from IUSD in 1927, and has practiced general dentistry in Indianapolis since that time. He has been extremely active in organized dentistry and has held the following offices: President, Indianapolis Dental Study Club Unit No. 5; President and Secretary, Hamilton Dental Discussion Club; President and Acting Secretary, Indianapolis District Dental Society; Chairman, Advisory Council, Indiana State Dental Association; Contributing Editor, Journal of Prosthetic Dentistry; President, Indiana Alumni Chapter of Xi Psi Phi Fraternity; Secretary, Building Fund of Theta Chapter Xi Psi Phi Fraternity; and Member of the Board of Directors of the Supreme Chapter of Xi Psi Phi Fraternity. He also has served as a member of the Consulting Staff of the Indiana University School of Dentistry, and was elected to Theta Theta Chapter of Omicron Kappa Upsilon in 1935. His older brother, Dr. Gale R. Oldham, who graduated with the class of 1929, practices in Martinsville, Indiana.

Son Drew decided to study dentistry while serving in the U.S. Army Medical Services with the Third Infantry Division in 1956. Upon completion of his active military service, he resumed his undergraduate studies at Valparaiso University and was graduated with an A.B. degree in June, 1959. He plans to join his father in part-time private practice and also to teach in the Department of Crown and Bridge Prosthodontics at his Alma Mater.



Col. A. W. Kirchoff and son, Dr. Rodney Kirchoff.



Dr. Marvin B. Smith, Jr., Dr. Marvin B. Smith, Sr. and Dr. Hugh Allen Smith.

Dr. Rodney M. Kirchoff is the son of COL. ARNOLD W. KIRCHOFF, Free-landville, Indiana, who graduated from IUSD in 1937.

Col. Kirchoff has spent the majority of his career in the U.S. Army, as has his brother, Lt. Col. Wayne F. Kirchoff, a graduate from IUSD in 1943. If you still have your Fall issue of the 1962 Alumni Bulletin, you might look on page 32 and there you will see a photograph of Col. Kirchoff and his son, Dr. David, who graduated with the class of 1962. Dad is quite proud of the fact that his two sons are dentists and graduates of Indiana. Col. Kirchoff's present assignment is at Valley Forge General Hospital, where he is Post Dental Surgeon.

Son Rodney says: "It would seem as if it would have been easy for me to make a decision as to what I should study but actually my decision to enter the dental profession was a last minute one. I always considered dentistry as a career but always was somewhat undecided and I guess Dad was really a little surprised when I, at the last minute, decided to enter dental school. I am entering the U.S. Army as a Captain in July and have been accepted for the Army's Internship Program, which is a rotating one, for one year. My station will be Letterman General Hospital, at the Presidio in San Francisco, California."

It is interesting to note that this class of 1963 has two graduates whose fathers are dentists and whose older brothers recently graduated from IUSD. Now, if you still have your 1961 August issue of the Alumni Bulletin and will look on page 42, you will there see a likeness of DR. MARVIN B. SMITH, SR. and his son Dr. Marvin B. Smith, Jr., who graduated with the class of 1961. Dr. Hugh Allen Smith is the second son of Dr. Marvin B. Smith, Sr., R.R.# 3, Box 13, Crown Point, Indiana to be graduated from IUSD. Pop Smith graduated from IUSD in 1931 and was motivated to

study dentistry by his brother from Detroit, Michigan, who went to the Belgian Congo as a missionary dentist and medical surgeon. Dr. Hugh says: "I became interested in dentistry through watching my father operate in the office and through my uncle's interest in humanity. It is my desire that after my tour of duty in the Army, I will set up somewhere near them (Dad and brother, who now practice together) so that I may learn from both of them."

Dr. Smith, the father, says: "Dentistry is a continually changing science and I am pleased to be associated with the young graduates who have acquired all the latest methods from the Faculty of IUSD. Even though we older dentists do our best to keep up, it is almost impossible to equal the combination of youth and faculty."

Dr. William Barrett Risk is the son of DR. PAUL RISK, 706 Bexley Road, West Lafayette, Indiana. The elder Dr. Risk was born in North Dakota in the year 1895. After graduating from the University of Minnesota with a D.D.S. degree in 1920, he went to Lafayette to begin his practice of dentistry where he was later joined by his brothers. His particular hobby is photography and he has even given some table clinics at dental meetings discussing photography in the dental office, but generally he likes to take pictures of people and then present them as gifts to his subjects. He has been very active in organized dentistry and has held the office of vice president of the Indiana State Dental Association.

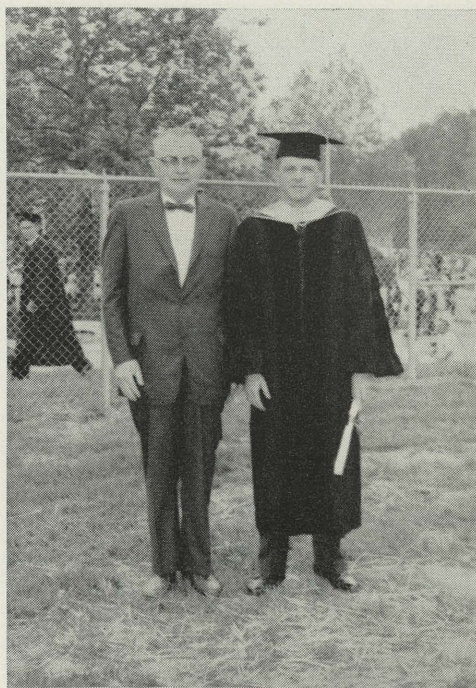
Dr. Bill states: "While I was in high school, I worked in Dad's office. Actually, he neither encouraged me nor discouraged me to become a dentist. However, his batting average is 1000 right now because both my brother, Paul B., and I are graduates of IUSD."

Dr. Bill is presently waiting to hear from the U.S. Navy and is considering

going back to Lafayette to practice after his service obligation is completed.

Dr. Risk was unable to attend his son's commencement because of an illness, so you will miss him in the photos. We are happy to report, however, that he is back in his office now and getting along fine.

Dr. John Henry O'Connor, Jr. is the son of DR. JOHN O'CONNOR, of 4 Green Street, Newbury, Massachusetts. Dr. O'Connor, Sr. is a graduate of Tufts University with the class of 1924. He has served the community of Newburyport, Massachusetts for the past forty years with an office at 34 Pleasant Street. He has specialized in exodontics, completing his minor oral surgery studies in 1935. Dr. O'Connor is on the visiting staff of the Anna Jacques Hospital and has remained active in his profession as a member of the Northeastern and the North Shore Dental Societies. He has served on the legislative committee of the Massachusetts Dental Society and is a past president of the Essex Dental Society.



Dr. John O'Connor, Sr. and Dr. John O'Connor, Jr.

Dr. Henry, Sr. says that he feels a father should not directly influence his son's choice of life service and felt that he did not directly influence Dr. John, Jr.'s choice.

This year it is a pleasure to report to you the graduation of another member of the class of 1963 whose father is not a graduate of IUSD, but is a graduate of Northwestern University Dental School. Dr. Cynthia Monroe Shellburne is the daughter of DR. WRAY S. MONROE, 52 South Shore Drive, Decatur, Illinois, who has done much to contribute to his profession.

He received a Bachelor's Degree in Education from the University of Missouri before entering dental school from which he graduated with High Honors in 1935. He was elected to Omicron Kappa Upsilon and is a member of Phi Delta Theta and Xi Psi Phi Fraternities. Locating after graduation in Decatur, Illinois, Dr. Monroe has served his component dental society in all official

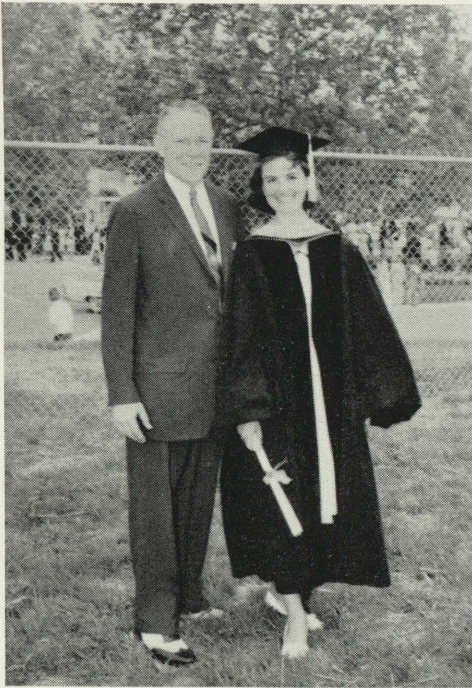
capacities, steered the fluoridation issue through five years of controversy to a successful conclusion and co-chaired the First and Second Annual All-Day Seminars in 1962 and 1963. He has also been very active in the Illinois State Dental Society, Illinois Academy of Dental Practice Administration and the L. D. Pankey Study Club. He is a Fellow of the Academy International of Medicine and Dentistry.

Dr. Cynthia, like both her parents, has a Bachelor's Degree in Education, plus her Master's Degree; however, when she decided to study dentistry, she had to return to the Ivy Halls for a full year of Science. For her, commencement this year and that D.D.S. degree are the reward for five years of hard work.

Dr. and Mrs. Monroe are very proud of Cynthia for completing one of the most rigorous educational disciplines with honor.

There is another member of this class of 1963 whose father is one with whom most of you are very familiar. He is Dr. Daniel B. Crane, the son of GEORGE W. CRANE III, M.D., Ph.D., the author of "The Worry Clinic," the syndicated column which I am sure most of you read and enjoy.

All of Dr. Crane's children are closely associated with the healing arts. The oldest son, George Crane IV, had planned



Dr. Wray S. Monroe and Dr. Cynthia Monroe Shellburne.



Doctors David G. Crane, George W. Crane III, and Daniel B. Crane.

on a medical career but prematurely met his death in a jet fighter crash. Dr. Philip received his Ph.D. from Indiana University on the same day that Dr. Dan graduated from IUSD; and younger brother Dr. David has just finished his internship at Cook County Hospital in Chicago and is now planning to take a residency in psychiatry at Indiana University Medical Center. Judy, Dr. Crane's only daughter, did graduate work at Columbia University and then settled down to the profession of homemaking where she is busily rearing her four children.

"I entered the dental profession due, primarily, to my Dad's influence," says Dr. Dan, "for he has written in *CAL Dental Magazine* for the last 25 years and made numerous speeches before State Dental Societies.

While at dental school, Dr. Dan did graduate and research work for Dr. Joseph C. Muhler.



Dr. William Gilmore and Dr. Ralph McDonald, Marshalls for the School of Dentistry.

ROLE OF GRADUATE STUDENT

(Continued from page 6)

glamour of putting a man on the moon but its contribution to human betterment is boundless. Why should it not be one of you?

There is perhaps another role in your days ahead which may even be more important than any which have been mentioned up to this point. That is the role you must play as a member of society at large. It was John Donne who wrote, "No man is an island of himself . . ." and thus spoke a universal truth. We live in society; we cannot avoid mankind; we are a part of it. On the one hand you will be expected to an erudite, professional individual and at the same time you have the right to enjoy the fruits of relaxation and enjoyment as a living person. For your sake and for your family it is important that you secure this relaxation and refreshment of mind and body through recreation, sports, hobbies and friends. This proper mixture of work and play will prove to society that you are truly an educated person.

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¹ Tufts College Graduate, Vol. 22, No. 4, June-August, "The Baccalaureate Sermon," Lee S. McColester.

² "The Mighty Medicine": published by the MacMillan Co., New York 1929, Franklin Henry Giddlings, Chap. XIV, 'What Every College Graduate Should Know.'

³ H. Colin Davis, J.A.C.D., March, 1962, Vol. 29, No. 1.

⁴ Mann, William R., "Meeting the Nations Dental Manpower Needs in the year 1975," J.A.D.A., Vol. 64, Feb. 1962, pp. 191-198.

⁵ Nagle, Raymond J., D.M.D., "The Future of the Dental Service Team," Dental Lab News—Dental Laboratory Association of the State of New York, Vol. 23, No. 1, Jan.-Feb., 1961.

⁶ "The Responsibilities in Health Service," Arthur S. Flemming, J.A.C.D., June, 1960, Vol. 27, No. 2, pp. 83-88.

⁷ Published by American College of Dentists, 1961, St. Louis, Missouri, p-53, Professional Ethics in Dentistry.

Class and Fraternity Notes

FRESHMAN CLASS

Speaking for the entire class, I feel our main objective was to get through the freshman year.

The class, under the leadership of Harold (Bud) Stanley, had a very enjoyable class stag. Next year we hope to have a class dance.

We are all looking forward to a successful three more years in dental school.

J. C. Newby

SOPHOMORE CLASS

Four new students were present when the sophomores returned last fall. They are: Ron Mayhill, a transfer from Western Reserve University; Joseph Girault from Haiti; Esther Lauzardo from Cuba; and Teofild Nayan from the Philippine Islands.

Social highlights of the year included two dances and a stag party.

Four representatives of the class attended the inauguration of Dr. Elvis J. Stahr jr., new President of Indiana University and later in the year several students from our class participated in the May 1 Founders Day Program. Those sophomores honored for scholastic achievement were: Bob Zager, Martin Kennedy, Ned Van Roekel, James H. Franklin, Jimmie Lee McGuire, Jerry Hickman, Charles Epperson, Dale Sering, Ted Urbanski, Dave

Willits, Lee Beeman, Tom Rocke and Bradley Baetsle.

At the final class meeting of the year a "Gold Tooth Award" was presented to James H. Franklin for his unselfish assistance and advice to his fellow classmates. The award was a large "gold" molar tooth mounted on a base which bore the proper inscription.

At the same meeting class officers for the 1963-64 year were elected. President, Ben Asdell; Vice-President, Martin Kennedy; Secretary, Sybil Sanders; Treasurer, Jack Hoerath.

At the annual Honor Day Program, Bob Zager received the Omicron Kappa Upsilon Award for "outstanding scholastic achievement in the freshman year."

Sybil Sanders

JUNIOR CLASS

Class officers for the coming year; President, Thomas Van Osdol; Vice-President, Gene Long; Secretary, Donald Tharp; Treasurer, Ross Laurence.

Maurie Lord won the clinical division of the state A.D.A. table clinic displays held at the dental school. Maurie's subject was pin reinforced amalgams and he will compete for further honors in the national contest.

Donald Tharp

DENTAL HYGIENE

(Continued from page 17)

graduate Dental Hygiene Seminar in March. Thirty were alumni of Indiana, and thirty were graduates of fourteen other schools. As the seminar followed a meeting of the Board of Trustees of the American Dental Hygienists' Association in Chicago, Irene M. Navarre, First Vice-President, and Alberta Beat, Second Vice-President, and Trustees Juanita Schisler and Peg Ryan were able to join the group.

We were flattered to have such a fine representation from our National organization.

The next Postgraduate Dental Hygiene

Seminar will be held in March 1965. We would be pleased to receive your suggestions for the program.



High Honor hygiene graduates shown with Miss Fisk, Director of Dental Hygiene, Left to right: Constance Hamilton, Carmine Griffis and Miss Fisk.

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Dr. Ralph E. McDonald adjusting the hood for Miss Cynthia Shellburne.



Dr. David Mitchell receives gavel as past president of Theta Theta chapter of Omicron Kappa Upsilon from Professor Ralph Phillips, president.

School of Dentistry Indiana University

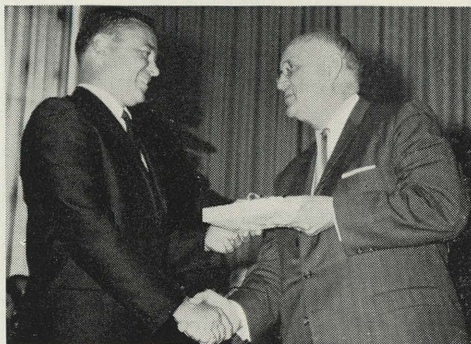
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Dr. Morrey presents third place award in Science Fair to Susan K. Brown of Secena Memorial High School. Presentation was made at O.K.U. luncheon during state meeting.

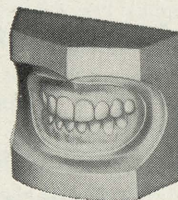
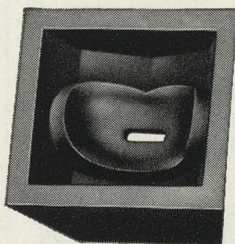


Peter Rucinski receives Robert G. Botkin award from Dr. John F. Johnston during senior honor day program in June.

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