

*Alumni Bulletin*

INDIANA UNIVERSITY  
SCHOOL OF DENTISTRY

JUNE, 1950

INDIANAPOLIS, INDIANA

Py-co-pay  
brushes...

now  
"duratized"  
for longer life

... now supplied with  
**Py-co-tips**  
for interdental stimulation

The Py-co-pay Brush—long the profession's "first choice" because of its outstanding design—now becomes *better than ever*. Those provided with natural bristles will now be "duratized"—Py-co-pay's special patented process for prolonging the useful life of natural bristles *up to three times* ... protecting against "wet breakdown" ... preventing sagging or matting.

"Duratizing" insures amazing "flexible stiffness" that means longer brush life... better tooth cleaning during the greater period of use.

Also, every Py-co-pay Brush will now be supplied equipped with a Py-co-tip *interdental stimulator* affixed to the brush handle, ready for your patients' use according to your instructions.

Thus, the name of Py-co-pay (Py-co-pay Brush, Py-co-pay Powder, Py-co-tip) continues to connote the ultimate in efficiency and safety in oral hygiene ... to merit more than ever your recommendation to your patients.

**PYCOPÉ, INC.**

2 High Street, Jersey City 6, N. J.

**Py-co-pay**  
TOOTH BRUSHES and TOOTH POWDER

Indiana University  
School of Dentistry  
ALUMNI BULLETIN

---

## Contents

Indiana Dental Hygienists	4
New Home of State Board of Health	5
Department of Radiodontics	6
Symposia	8
Senior Honor Awards	10
Senior Pictures	11-15
October Alumni Meeting	16
Library	17
Alumni Notes	18
Odd-Dentities	21
Class and Fraternity Notes	22

R. W. PHILLIPS

EDITOR

RUHAMAH HANNAH

ASSISTANT EDITOR

*Alumni Officers:*

*Charles Wylie, President*

*Harry J. Healey, Secretary-Treasurer*

---

*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.*

---

# Indiana University to Train Dental Hygienists

Beginning with the fall semester of 1950 the Indiana University School of Dentistry will offer a curriculum for training women as dental hygienists. The assistance of dentists by dental hygienists is well established in the eastern part of the country and recent passage of a law in Indiana has opened up this new career for women in this state.

Dean Hine was pleased to announce that the director of this new program will be Miss A. Rebekah Fisk of Washington, D.C. Miss Fisk is a past-president of the American Dental Hygienists' Association and has been executive secretary of that organization for many years. Her opinion regarding dental hygiene programs is well respected in educational circles.

Dental hygienists can be classified as auxiliary dental personnel who, after graduation and successful passage of a state board examination, have two avenues of approach to their profession:

1. As a dental hygienist in a private office or in a dental clinic of an industrial plant or hospital, she may periodically remove calcareous deposits, accretions and stains from the surfaces of the teeth, impart information relative to oral health care to the public, take and develop dental x-rays, and assume other responsibilities in the office routine.

2. The second avenue of approach is in the broader field of public health. Here the dental hygienist may examine the teeth of children in schools, give instructions in the proper care of the teeth, and help to develop school curriculum units of study or activities in dental health education suitable for the child's needs and interests at his particular level. She may take part in state and county health surveys and programs. In the interest of furthering dental health education, she may appear before service clubs, parent-teacher groups, and other organizations.

A new class will be admitted each fall,



Miss A. Rebekah Fisk  
Director of Training Program for  
Dental Hygienists

and the curriculum at Indiana University will be on the basis of a two year college discipline which can be accredited toward a baccalaureate degree. It will be planned to afford the graduates sufficient background in theory and practice to enable them to meet all professional requirements for service. Similar courses for dental hygienists have been given in a few other schools in this country for a number of years. As the demand for the services of these workers far exceeds the ability of present schools to train them in adequate numbers, graduates should have ample opportunities for employment.

### *Requirements for Admission*

(a) Age—18 to 30

(b) Graduation from a commissioned high school having completed a course which will permit entrance to the Junior Division of Indiana University. It is preferred that the student have chemistry,

*(continued on page 25)*

# The New Home of the Indiana State Board of Health

by Dr. Roy D. Smiley, Head of Dental Section, Indiana State Board of Health

On March 13, 1950, a new cycle of growth began when the laboratories and offices of the Indiana State Board of Health started moving into its attractive new home at 1330 West Michigan Street, Indianapolis, Indiana (the western portion of the Indiana University Medical Center). The building was constructed primarily to provide for the expansion of laboratory facilities, necessitated by the increased load in bacteriology, serology, food and drugs and dairy products.

There are several reasons why the people of Indiana may well be proud of their new Board of Health building. First, it is physical evidence of the gradual progress being made in the protection of the public's health. Second, it combines an attractive appearance with desirable functional features. This is achieved by narrow corridors, low ceilings, and movable, steel partitions. Three wings, one east, one west, and one north, provide space not only for the personnel and activities of the State Board of Health but also for the Indiana Flood Control and Water Resources Commission, the State Livestock Sanitary Commission, and the Administrative Building Council. It is logical for all of these state functions to be housed in the same building because of their related activities. There is also a good sized auditorium, opening to the west from the main entrance foyer.

The building was designed by the firm of Lennox and Matthews and Associates. The building cost \$1.33 per cubic foot, which is quite reasonable in comparison with present day building costs. Our old building, which is located in the center of the Indiana University Medical Center campus, will be deeded to the University for the use of its clinical laboratories, research, and administration functions. The Division of Dental Health

is located in rooms 274, 276, 282 (the west side of the north wing, second floor, up the stairs as you enter the lobby). In these offices the director, two public health dentists, one dental hygienist, and one secretary carry on an educational dental health program at a state level. Specific cooperative projects are the Richmond Dental Study, 4-H club summer camps, the Riley Crippled Children's Dental Clinic, Indiana University School of Dentistry research in fluorine, dental inspections in a number of cities and counties, topical fluoride demonstrations, consultant and advisory services to communities or schools desiring to establish a continuing dental health program.

The division is fortunate in having a harmonious working relationship with the Indiana State Dental Association and Indiana University School of Dentistry.

The division has on its staff in these activities: five dental assistants and one health educator assigned to Richmond; one dental assistant in the Riley Clinic; four dental consultants from the School of Dentistry and four members of the topical fluoride demonstration unit.

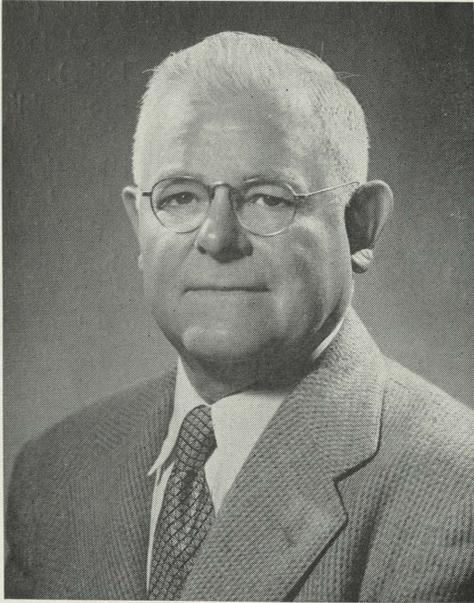
During the ten week summer camping periods, two dentists and two nurses will be employed to do educational, dental and nursing services in approximately 35 4-H club groups, attended by almost 7,000 young people.

The Executive Members of the State Board of Health and the entire staff are proud of our new home. We hope very much that the people of Indiana will visit the home of their State Board of Health and thereby gain a better understanding of the functions and activities performed in improving public health in Indiana. Although more adequate housing will provide for more efficient and

*(continued on page 27)*

# Department of Radiodontics

*by Dr. L. B. Spear, Head of the Department of Radiodontics*



Dr. Lewis B. Spear

The Department of Radiodontics at Indiana University School of Dentistry was one of the first such departments in the country and was founded by Dr. Howard R. Raper, then assistant dean and now practicing in Albuquerque, New Mexico. Dr. Raper was also the inventor of the bitewing x-ray film. The induction coil type machine was in use at that time, and since it was very tempermental and was not a safety type machine, only the faculty members used it. With our acquisition of a safety type machine in 1934, students began to do some radiography. The school then acquired a second safety type machine, and an x-ray technician was employed.

The use of radiography in clinical work has expanded so rapidly that with the remodelling program, the Department of Radiodontics was enlarged, two more units were added, making a total of four, and the personnel was increased to three technicians and a clerk. In addition, one

x-ray unit is used in the sophomore laboratory in root canal technic.

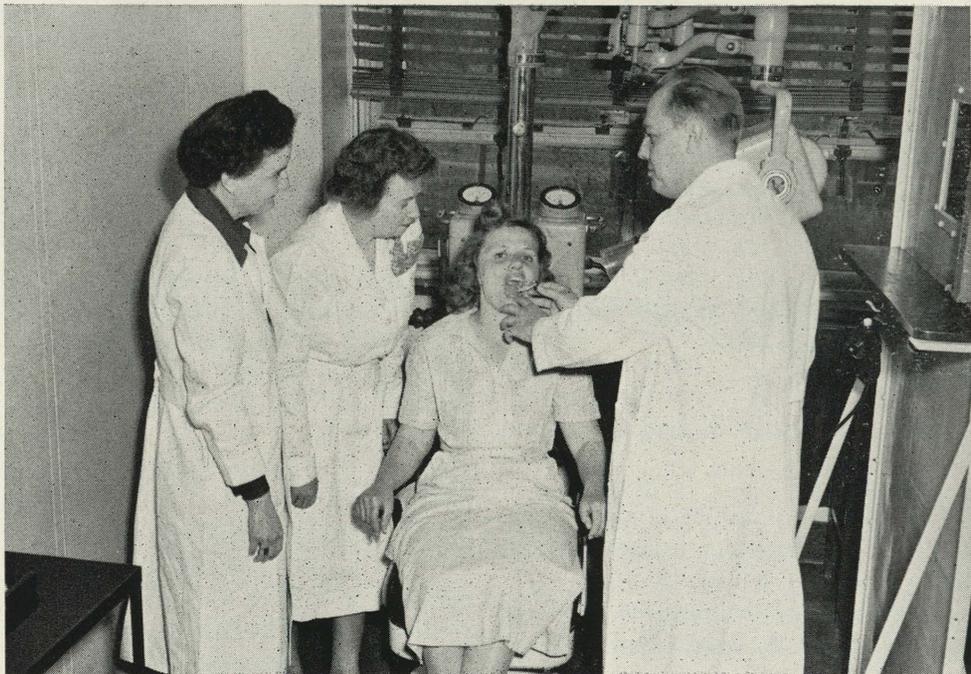
The new Department of Radiodontics, on the second floor where the library was formerly located, has clinical space adequate for four x-ray units, a fully equipped dark room, and a mounting room. Each machine has a long cone, making the film-target distance fifteen inches, and between each machine is a lead screen for the protection of the operators. Recently four motor-driven chairs were added to the department.

Directly off the clinical space is the mounting room, one side of which is for dry x-ray films ready to be mounted and the other side for wet films which are checked for position, definition, and detail immediately after processing.

A labyrinth (which permits free access without the use of doors) leads into the dark room, which is fully and modernly equipped and is well ventilated by a fan and a blower. On two walls are stainless steel work benches, provided with waste slots leading into drawers below for quick disposal of discarded film packets. There are also two special stainless steel five gallon tanks, so designed that they will accommodate the maximum number of dental racks; the water temperature in the tanks is thermostatically controlled. In the corner between the stainless steel benches is a large water bath for the final wash of the films. Also in the dark room is a lead-lined cabinet for storage of x-ray films.

The work in radiodontics is known as a "special clinic" to which the students are assigned on an average of four half days each semester, two or three students being on duty each day. The first semester of the junior year is spent in de-

*(continued on page 27)*



Dr. Matlock, Miss Hannah, and Mrs. MacDougall discuss X-ray problem.



Having completed X-ray examination, Mrs. Lindberg returns patient's chart to Mrs. Jackson.

## Four Symposia Held At Dental School

*During the past few months, the dental school has assisted in conducting four symposia in various fields of dentistry. All of these programs were very well attended and the enthusiastic support by dentists throughout the state has indicated a demand for similar meetings in other fields. The programs of these four meetings are outlined below:*

### *Indianapolis Dental Society Midwinter Clinic*

The Midwinter meeting of the Indianapolis Dental Society was held at the dental school on January 9, 1950. The opening paper on the program was presented by Dr. D. A. Boyd, Head of Operative Dentistry at the dental school. Dr. Boyd discussed the Airdent technique and use of rapid-curing acrylic restorations.

Dr. E. L. Ball of Cincinnati then talked on periodontal treatment in the dental office and Dr. Harry Sicher of Chicago discussed anatomy as a basis for local anesthesia. In order that everyone attending would have an opportunity to hear each lecture all of these men repeated their papers in the afternoon.

Following a complimentary luncheon, table clinics on various phases of dentistry were presented.

### *Radiodontics*

An all-day symposium on radiodontics was presented on March 15. This program was attended by approximately 300 dentists and dental assistants.

During the morning session Dr. A. Porter S. Sweet, Editor of Dental Radiography and Photography, discussed film processing technics, arrangement and equipment in darkrooms. Dr. Sigmund F. Bradel, radiodontists from Chicago and

formerly Professor of Radiodontics at the University of Illinois, discussed many occlusal and extra-oral clinical cases. Dr. L. B. Spear, Head of the Department of Radiodontics at Indiana University School of Dentistry, spoke briefly on the extended film target distance and its application in general practitioner's office.

Following the complimentary luncheon, the afternoon program was moved to the auditorium of the medical school in order to make room for the unexpectedly large attendance. Drs. Sweet and Bradel again presented papers relative to interpretation of both intra- and extra-oral radiographs. Dr. J. William Adams, Head of the Department of Orthodontics at Indiana University School of Dentistry, and Dr. J. A. Campbell, chief roentgenologist of Indiana University School of Medicine, gave interesting papers at this session of the symposium. Following these discussions the dentists returned to the dental school where various informative clinics were presented.

### *Pedodontia*

A symposium on Dentistry for Children was held on April 5, 1950. The program was attended by 300 Indiana dentists. Dr. Stuart A. McGregor of Toronto, Canada, appeared twice on the program and discussed "The Management of a Children's Practice and the Examination of a Child." Dr. McGregor expressed the belief that children can best be handled by the direct business-like approach and condemned the practice of using bribes and gifts as an aid in winning the problem child. His lecture included many interesting cases which will help the dentist in his examination of child patients.

Dr. Alfred Seyler of Detroit also appeared twice on the program and his subjects were the "Pulpotomy Technic"

and the "Correction and Prevention of Minor Malocclusions". He outlined in detail the procedure to follow in performing a pulpotomy and emphasized that this treatment was indicated in cases of a vital pulp exposure in a young tooth. Several types of malocclusions were considered, especially those which can and should be treated by the general practitioner or pedodontist.

Dr. Lyman Meiks, Chief Pediatrician at Riley Hospital, Indianapolis, presented some problems common to pediatrics and pedodontia. Any one who includes children in his practice must be familiar with the diagnosis and management of certain systemic conditions but especially hemophilia and rheumatic fever. Dr. Meiks discussed both from a dental standpoint and pointed out the precautions which must be taken when dealing with such cases.

Dr. Grant Van Huysen, Head of the Department of Histopathology, I.U.S.D., discussed the control of rampant caries in the child. He pointed out that dietary changes could often bring about a reduction in the caries activity. Dr. Roy Smiley, Director of Dental Division of the Indiana State Board of Health, outlined the procedure for setting up a community program for preventive dentistry for children.

In the afternoon, table clinics were presented by the Department of Orthodontia at Indiana University and exhibits by the Delta Theta Tau Sorority and Indianapolis Board of Health. These instructive clinics were well received.

### *Cancer*

The third annual "Symposium on Malignant Diseases" was held on April 12 and 13 at the Indiana University Medical Center in Indianapolis. All sessions of this meeting were held in the Medical School Auditorium except the Wednesday afternoon program for dentists, which was

held in the main lecture hall of the dental school.

The dentists and physicians were welcomed by Dean John D. VanNuys from the School of Medicine, Dean Maynard K. Hine from the School of Dentistry, and Rollis S. Weesner, Executive Director of the Indiana Cancer Society.

Dr. Danely Slaughter from the University of Illinois lectured on the "Differential Diagnosis of Oral Lesions". Dr. Slaughter discussed radical neck dissections and showed illustrations of the surgical approaches as well as the postoperative repair.

Dr. Eugene F. Traub from New York Medical College presented an illustrated lecture on the "Malignancies of the Skin and Mucous Membrane". The scope of Dr. Traub's presentation was of such a nature that it permitted a more conservative yet effective approach to cancer control.

A film entitled "Breast Cancer—The Problem of Early Diagnosis" was shown. This movie was obtained through the courtesy of the National Cancer Institute and the American Cancer Society. Following the movie, the group adjourned for lunch.

The Wednesday afternoon program for the dentists was devoted primarily to oral tumors. Dr. Danely Slaughter showed preoperative and postoperative illustrations of advanced cases. Dr. Hamilton B. G. Robinson from Ohio State University School of Dentistry presented a very interesting lecture on the differential diagnosis of oral lesions usually seen first by the practicing dentist. Dr. Robinson's presentation dealt principally with the management of early cases of oral tumors. Dr. Charles W. Neuman also exhibited two very interesting patients from the Veterans Administration Hospital on Cold Springs Road in Indianapolis. At 4 p.m. the dentists returned to the Medical School Auditorium for a round-table discussion and summarization.

## Senior Honor Awards

The annual Senior Honor Day program was held May 26, 1950, in the lounge of Ball Residence. Again this year the program was given in the evening so that wives and friends of the seniors and faculty could attend.

Scholastic honors, recognized through election to Omicron Kappa Upsilon, national dental honor society, were received by seven members of the graduating class. The keys were presented by Dr. G. Thaddeus Gregory, President of Theta Theta Chapter. Students elected include Everett Amos, Marvin Baxla, Arnold E. Felten, Robert L. Harris, Earl R. Harrison, William V. Vogel and Jack M. Vorhies.

Other honors include the C. V. Mosby awards for outstanding work in orthodontia to Jack M. Vorhies, for outstanding work in oral surgery to Corliss J. Roll and for outstanding work in research to John B. Spaulding; the Certificate of Merit from the American Society for Dentistry for Children to Kent C. Moseley; and the Certificate for Proficiency in Dental Medicine by the American Academy of Dental Medicine to John B. Spaulding.

A new award this year from the American Academy of Periodontology was presented to Kenneth Smith for outstanding work in that department. Dr. Frank Hughes presented a plaque from the National Chapter of Alpha Omega Fraternity to William Vogel as the student who earned an outstanding scholastic record for four years of dental study at Indiana University School of Dentistry. The award from the American College of Dentists to the student showing the greatest improvement since his freshman year was presented to Arnold E. Felten by Dr. Robert Blakemen, Class of 1897. Edward Thibodeau was presented a certificate by Dean Hine as the sophomore stu-

dent who made an outstanding record during his freshman year.

The Leonard Senior Essay Contest awards were as follows:

First Prize—Jack Light

Second Prize—Arnold Felten

Third Prize—Frederick Cantrell

Honorable Mention—

John B. Spaulding

Dean Hine presented honorary diplomas to the wives of members of the graduating class. Thirty-nine wives were presented with these certificates. Brief remarks were made by Dean Maynard K. Hine and H. T. Risley, Senior Class President. Several musical selections were presented by a quartet consisting of James Taylor, Bruce Cook, Darrell Alexander and William Burns, members of the Junior Class.

In addition to faculty and assisting staff of the dental school, the program was attended by members of the Bloomington faculty and representatives of the Alumni Association and Indiana State Dental Association.

On the following pages  
are members of the  
1950 Graduating Class



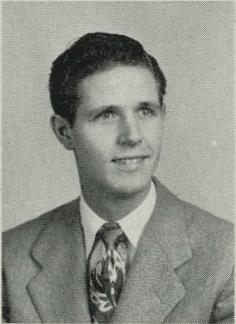
JACK ZEV ALEXANDER



EVERETT R. AMOS



PAUL EDWIN BAILEY



ROBERT DALE BARKES



MARVIN EDGAR BAXLA



FREDERICK A. CANTRELL



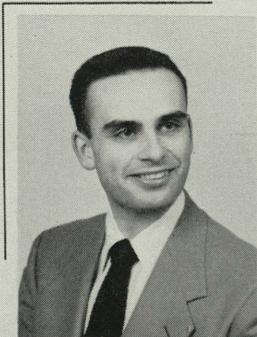
JOHN H. CARMODY, JR.



FRANK CHINN, JR.



ROBERT VICTOR DAILY



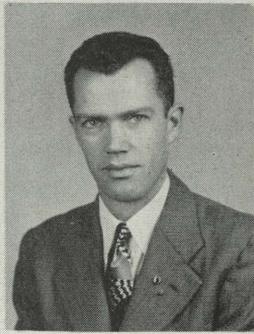
JACK DAY DENISON



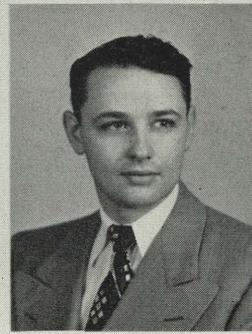
HAROLD ROBERT DICK



JAMES H. DIRLAM



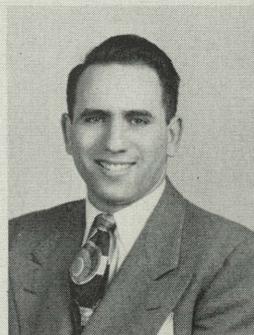
SAMUEL H. EITNIER



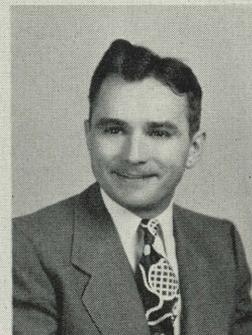
JAMES LEE FALL



FRANCIS E. FARLEY



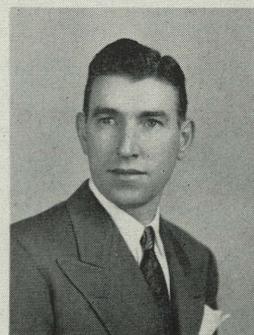
SEYMOUR ALLEN FAY



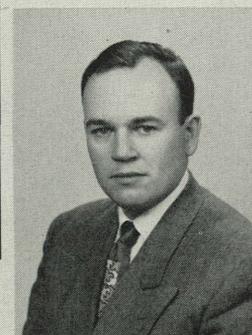
ARNOLD E. FELTEN



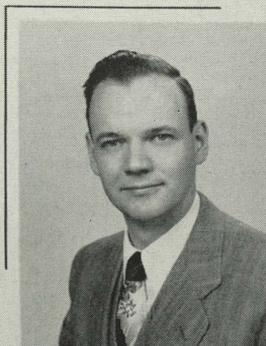
CHARLES H. FINKBINER



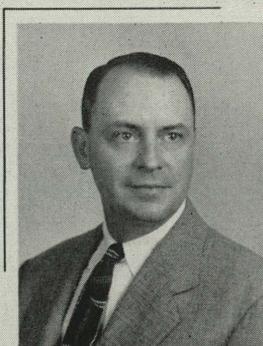
CHARLES E. FLANNAGAN



ROBERT LYTTON GARRARD



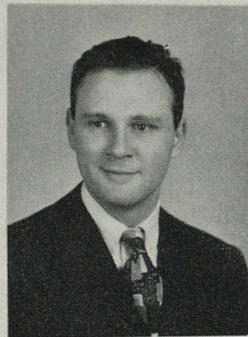
RAY SAMUEL HALL



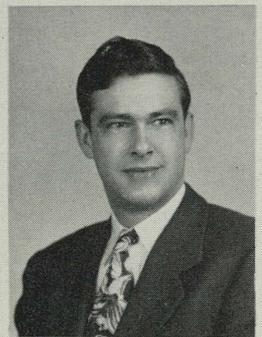
ROBERT L. HARRIS



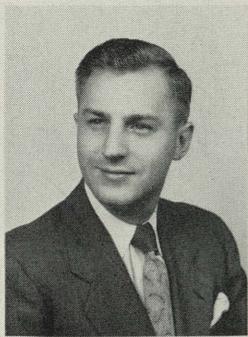
EARL RAY HARRISON



HENRY C. HEIMANSOHN



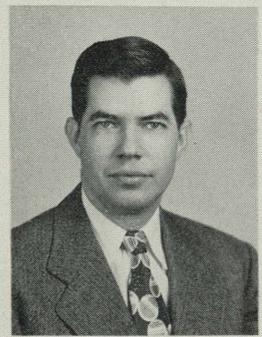
JOHN REX HODGES



DEAN E. HOPPE



HARRY O. JOHNSON



RALPH ERNEST LAYBOLD



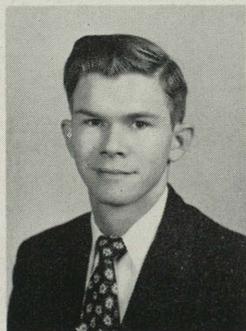
JACK LIGHT



ROBERT W. LINNEMEIER



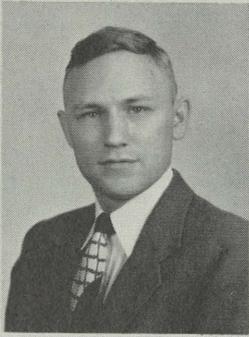
JEROME N. MATTHEWS



KENT C. MOSELEY



RICHARD L. ORR



PAUL R. PIRTLE



H. T. RISLEY



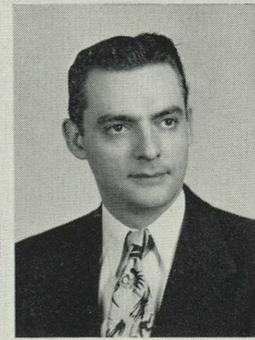
CORLISS J. ROLL



WM. THEO. SCHOLL, JR.



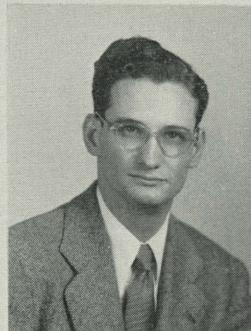
J. WATT SHROYER



JAMES F. SIMMONDS



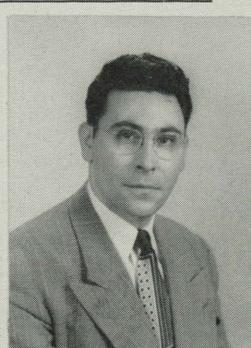
FRANKLIN A. SMITH



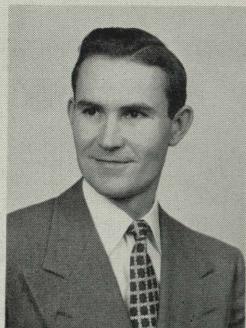
KENNETH LYLE SMITH



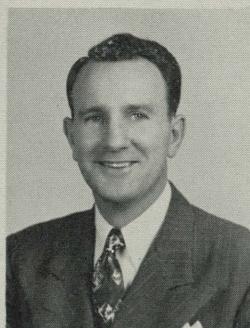
JOHN BEST SPAULDING



HOWARD MONROE STEIN



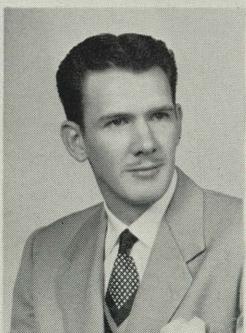
JOHN JAMES STONE



OMER W. TAYLOR



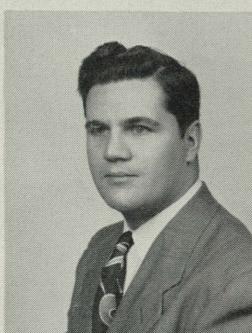
THOMAS M. TERPINAS



C. WILLIAM VIZE



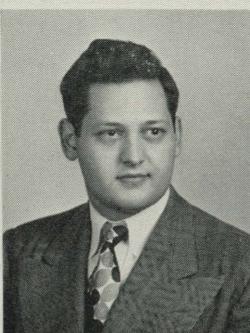
WILLIAM V. VOGEL



JACK McKIM VORHIES



JOSEPH RAY WAYMIRE



ARTHUR JOEL WOLIN



ROBERT DALE YOUMANS



ISADORE ZARIN

# Alumni Association October Meeting Program Announced

President Charles Wylie, Bloomington, and Dr. Richard Wulff, Evansville, program chairman of the School of Dentistry Alumni Association, have announced the program for the 1950 annual meeting of the Association. The meeting will be held on October 13 and 14 in the Memorial Union Building on the campus of Indiana University, Bloomington.

This year's meeting will celebrate the 25th anniversary of the School of Dentistry as a part of the University. For this reason the program has been arranged to be particularly outstanding and attractive for the dental alumni and also their wives, who are cordially invited to attend.

The program is as follows:

## *October 13—Friday*

12:00- 2:30 p.m.

Registration—Memorial Union Building, Lobby

2:30- 3:00 p.m.

Party for the Ladies

2:30- 3:00 p.m.

Application of Airbrasive Technic to Operative Dentistry (Movie)

3:00- 3:30 p.m.

Discussion of Airbrasive Technic—Dr. Drexell Boyd, I.U.S.D.

3:30- 5:00 p.m.

Table Clinics

Occlusal Factors in Periodontitis  
Dr. J. C. Westbrook, Jr.

Resin Restorations

Dr. Drexell Boyd

Endodontia

Dr. Harry Healey

Common Causes of Casting Failures  
Prof. Ralph Phillips

Airdent Demonstration

Dr. L. Rush Bailey

Literature on Socialized Medicine and Dentistry - Dr. Donal Draper

5:00- 6:00 p.m.

Business meeting

6:00- 8:00 p.m.

Dinner - ABC Room, Union Building

a. Presentation of I.U.S.D. diplomas to Indiana Dental College Graduates

b. Acknowledgment of equipment from Indiana Dental Alumni Association to Indiana University School of Dentistry

8:30-

Program—Little Theatre Auditorium

## *October 14—Saturday*

9:00- 9:30 p.m.

Movie—"Our Indiana"

9:30-10:30 p.m.

Hydrocolloid Impression Materials

Prof. Ralph Phillips

10:45-12:00 p.m.

Occlusal Factors in Periodontitis

Dr. J. C. Westbrook, Jr.

12:15- 1:30 p.m.

Alumni Luncheon

1:30-

FOOTBALL—Indiana vs. Ohio State

Applications for lodging reservations, football game tickets, and the luncheon and dinner will be mailed to all alumni in the near future.

*Harry J. Healey, Alumni Secretary*

## New Department Formed

Dean Hine is pleased to announce the formation of the Division of Endodontia at Indiana University School of Dentistry. Dr. Harry J. Healey was made chairman of the division on November 1, 1949. This change was made to allow more emphasis to be placed upon this important phase of dentistry.

# Library

---

by Rita Downing Fowler

Periodically the Library publishes abstracts of articles by the faculty which have appeared in the literature. Following are abstracts for articles published in 1948-49.

*Healey, H. J. and Phillips, R. W. A clinical study of amalgam failures. Journal of Dental Research 28:439-446, Oct. 1949.*

A group of 1,521 defective amalgam restorations was studied for the purpose of determining the causes of failure. (These patients at the Indiana University School of Dentistry were examined by two operators.) It was found that the failures could be grouped into those due to: (1) actual recurrent caries (2) fracture (3) dimensional change and (4) pulp or periodontal involvement; the frequency occurring in that order.

The main factor which contributed to the failures were judged to be: (1) improper cavity preparation which was the causative factor in 56 per cent of all the failures, (2) faulty manipulation of the amalgam or its contamination at the time of insertion—40 per cent of all failures.

It is apparent from this study that the clinical success of the amalgam restoration is dependent upon many factors, most of which can be controlled by the dentist. Careful cavity preparation, proper manipulation and restoration of normal anatomical contour can reduce to a minimum clinical failure of amalgam.

*Hine, M. K. Prophylaxis, toothbrushing, and home care of the mouth as caries control measures. Journal of Dental Research 26:223-229, April 1948.*

It is generally believed that dental caries begins on exposed surfaces of the teeth and that certain bacteria which

accumulate there are involved in the initiation of the process. It is to be expected, therefore, that removal of these bacteria, as well as the food particles upon which they grow, will reduce dental decay. The slogan "A Clean Tooth Does Not Decay" is well known.

However, every clinician knows that filthy teeth are not always decayed and that apparently "clean" teeth are often carious. The question, then, is not one merely of keeping the teeth clean but can the teeth be kept free of bacteria long enough to prevent or reduce dental decay? It is obvious from careful studies that bacteria cannot be permanently removed from the surface of the teeth because they will very quickly reestablish colonies there. Few truly scientific studies of the problem have been made, but it is doubtful if the teeth can be kept clean enough by mechanical means to reduce the incidence of dental caries.

After careful consideration of the evidence on this subject, one must conclude that widespread mechanical cleansing of the teeth with detergent foods, a toothbrush, and a mouth rinse can be recommended because of the esthetic value, beneficial effects on gingival tissues, and possible interference with dental caries. Routine mechanical cleansing of teeth is apparently not harmful.

Because there is no known way of removing mechanically all bacteria and food debris from the teeth for any length of time, mechanical cleansing of the teeth alone cannot be expected to prevent caries.

*Hughes, F. C. Professional prosthetic denture service. Fortnightly Review 18:7-12, Nov. 15, 1949.*

(continued on page 25)

# Alumni Notes

---

by Mrs. Cleona Harvey

Although the ivy is growing green again and the campus is bright with blossoms, we must look backward in this column for a moment and thank those of you who sent Holiday Greetings in December. It was nice to be remembered and the staff was pleased to hear from you as well as to learn of your whereabouts.

Sometime ago this office had a very interesting letter from Dr. Harold C. Asher, '32, 14 South Park Street, Montclair, New Jersey. Among other things, Dr. Asher said, "Even though we are perhaps classed as a past generation of I.U.S.D., I think it would be swell if you can pick up some bits of news about any of the boys we went to school with, griped and swore at, and vowed we'd get even with the first chance we got. Of course the years have mellowed all our tempers, and there isn't one of us that any of the others would not give a helping hand to if he needed it". We are happy to report to Dr. Asher and to you that we are getting some news from the older graduates and we are passing some of it on to you.

A note from Dr. Frank Edwards, '15 176 Clinton Street, Binghamton, New York, asking for the address of a fraternity brother brought news from him that he is still in practice.

Dr. Roland Low, '02, 534 North Bright Avenue, Whittier, California writes: "It is remarkable that at my age, 74, and after standing at a chair for 48 years I am still going along about as usual. I also put in two afternoons at golf and once a month I play golf with the seniors, so maybe after all I shouldn't complain if I do have some aches and pains once in a while".

Which reminds us that Dr. M. M.

House, '03, visited us for several days and he, too, is located at Whittier and he and Dr. Low keep each other posted on news of I.U.S.D. Faculty and students enjoyed the visit of Dr. House and he gave them first hand information on his "technique" which has become so famous.

Since writing in this column that if any of you wished a list of the addresses of your class to let us know, we have had several requests and were happy to send the lists. We keep working away on our files and appreciate reports on changes of address, etc. If you know of anyone who is not getting the Bulletin (and who should be), please let us know. That is just what Dr. C. S. Stevens, '13, did. Dr. Stevens is located in Cottonwood, Missouri, and is engaged in the general practice of dentistry.

And now for some news from the more recent graduates:

Dr. Charles J. Vincent, '45, is now Head of the Department of Pedodontics at the Medical College of Virginia School of Dentistry, Richmond 19, Virginia. Congratulations, Dr. Vincent.

Dr. R. E. Ish, '44, reports the birth of a daughter, Barbara Jane, April 27, 1949—says he also has a 4-year old Bobby. Congratulations to you, too, Dr. and Mrs. Ish.

A letter from Dr. Darwin M. Reed, '49, 701 Flower Avenue, Tacoma Park, Maryland, brings news that Dr. William L. Turnely, '49, and Mrs. Turnely have a son, William Lloyd Turnely III, born March 23. The Turnelys are at home on Fairmont Avenue, in Washington, D.C. Dr. T. M. Boardman, '49, completed his first 6 month's dental internship at N.M.M.C. in February and he and Mrs.

*(continued on page 19)*

Boardman are now at U.S. Naval Hospital, St. Albans, Long Island, New York. In fact, Dr. Reed reports they moved into their apartment at 119-35 180 street. Concerning himself, Dr. Reed writes, "For the past 4 weeks we have been retracing our sophomore steps through the technic laboratory endeavoring to learn the Navy ways of fixed bridge and partial denture work. Many of us have also learned that the rubber dam is not necessarily peculiar to dental schools alone—Bill, Tom, and I feel that the Navy dental internship is very worthwhile." We certainly do appreciate getting so much interesting news in one letter and hope more of you will sit right down and do likewise.

Dr. Robert Murray Ricketts, '45, was married February 26, 1950, to Miss Patricia Mae Rickert. I am sure all of you join us in extending best wishes. Dr. Ricketts is at the University of Illinois in the Department of Orthodontia.

Dr. Lloyd Nevel, '47, and Mrs. Nevel have a boy, David Irwin, born April 4, 1950. Dr. Nevel is practicing in South Bend, Indiana, and we send congratulations to the Nevels.

Dr. Marlin R. Inman, '46, Boonville, Indiana, writes in February that "I found the right girl and was married in December. We had our honeymoon in Florida and on our way back we visited Dr. Charles Watkins, who is now located in Logan, West Virginia. I am a member of our local Toastmasters Club where we try to improve our speaking ability. It has helped me very much and since then I have given several talks on dentistry."

Dr. Philip Whisler, '48, and Mrs. Whisler have a baby boy, Michael Duane, born January 4. Congratulations! After August of 1950, Dr. and Mrs. Whisler's address will be Sage Memorial Hospital, Ganado Mission, Ganado, Arizona.

Dr. Norman Becker, '46, 56 Shirley Avenue, Revere, Massachusetts, says he is spending only one morning a week at Forsyth. He is operating a clinic for

school children in the town of Winthrop—one of Boston's suburbs. This includes parent lectures and education, plus health work with the children. He says he is keeping very busy and loves it. Incidentally he is also doing some experimental work with plastics. Thanks for your good letter, Dr. Becker, and write us again one of these days.

Our Guest Book entries are quite numerous and boast of visitors from far and near: Jerry H. Henderson, '49, 615 W. Jackson, Brazil, Indiana; Neville B. Boone, '33, Plainfield, Indiana; Donald H. Biggs, '49, 508 S. E. 1st St., Evansville, Indiana; Antonio Rosat, '38, Ed. Vera Cruz 60, Porto Alegre, Brazil, S.A.;

On January 9, 1950, we had our Mid-Winter Clinic day and the following people came in and said "hello" to all of you via our Guest Book. C. A. Beck, December, '44, 101 Lincolnway, Valparaiso, Indiana; Thomas Sheffield, '38, 101 Lincolnway, Valparaiso, Indiana; Orville Allen, '24, 509 Marion National Bank Building, Marion, Indiana; John Lawrence Heidenreich, '36, 114 W. 4th Street, Bicknell, Indiana; Laurence F. Haskett, '14, 3270 Central Avenue, Indianapolis, Indiana; W. R. Meeker, '98, Peru, Indiana; R. P. Clark, '29, Brownstown Loan & Trust Co., Brownstown, Indiana; I. R. Rutkin, '43, 2738 Sutherland Avenue, Indianapolis, Indiana; Earl V. Schulz, '28, 509 Lincoln, Indianapolis, Indiana; John C. Hunt, '37, 241 Citizen's Bank Building, Anderson, Indiana; K. A. Sparks, '27, 128 Walnut, Mt. Vernon, Indiana; Ferdinand G. Heimlich, '31, 541 Bankers Trust Building, Indianapolis, Indiana; Noel C. Fink, '24, 602 N. Main, Wishawaka, Indiana; E. W. Stout, '42, Citizens National Bank Building, Tipton, Indiana; L. M. Taylor, '27, 623 N. West Street, Indianapolis, Indiana; McLuther Roler, '19, Sharpsville, Indiana; K. B. Mayhall, '19, 803 Odd Fellow Building, Indianapolis, Indi-

*(continued on page 20)*

ana; C. S. Conley, '24, 204 Peoples Life Building, Frankfort, Indiana; John W. Bach, '49, 104½ N. Lebanon, Lebanon, Indiana; Robert C. Ryan, '44, 1526 W. Jackson, Muncie, Indiana; A. E. Denison, '27, 2845 Washington Boulevard, Indianapolis, Indiana; W. C. Dyer, '39, 115 E. Main, Worthington, Indiana; C. A. Rhodes, '46, 301 E. Jefferson, Franklin, Indiana; Edwin H. McShay, '28, 1002 N. Bosart, Indianapolis, Indiana; C. E. Roush, '33, 324 South Washington, Marion, Indiana; James D. Pearson, '28, Miami & Wabash Avenue, Wabash, Indiana; J. H. Cusick, '25, 714 Wabash Ave., Terre Haute, Indiana; R. E. Clift, '24, 6003 W. Washington, Indianapolis, Indiana; Robert D. Irwin, '27, 6302 Guilford Avenue, Indianapolis, Indiana; Damon N. Goode, '23, 3311 N. Meridian, Indianapolis, Indiana; Charles C. Lowery, '42, Brownstown, Indiana; T. L. Eckerty, '36, I.O.O.F. Building, Mt. Vernon, Indiana; Richard S. Michener, '42, 317 E. Taylor, Kokomo, Indiana; Willard H. Damm, '41, 118 S. E. 1st Street, Evansville, Indiana; G. R. Perry, '23, '507 Methodist Building, Shelbyville, Indiana; Nathan M. Beery, '23, 920 Medical Arts Building, Indianapolis, Indiana; Orin A. Luse, '24, 1137½ Wells St., Ft. Wayne, Indiana; G. Byron Rutledge, '39, 666 Cherry Street, Terre Haute, Indiana; E. Harold Tade, '39, Marion National Bank Building, Marion, Indiana; L. E. Hill, '49, 5 E. 37th Street, Anderson, Indiana; Wm. Aitken, '43, 2022 Wabash, Terre Haute, Indiana; W. L. Hammersley, '36, 53 E. Walnut, Frankfort, Indiana; H. C. Lumpp, '22, 213 S. 17th Street, Mattoon, Illinois; Philip Falender, '19, 601 Bankers Trust Building, Indianapolis, Indiana; Byron E. Price, '41, 12 Points Merchants Bank Building, Terre Haute, Indiana; E. H. Schoenherr, December '44, 1106 Taylor Street, Ft. Wayne, Indiana; J. E. Morris, '27, K. of C. Building, Decatur, Indiana; W. B. Gates, '14, 5503 E. Washington, Indianapolis, Indiana; Frederick

C. Baker, '26, 508 Calumet Building, Hammond, Indiana;

Then a few visitors from here and there including: Vernon J. Forney, '39, 4064 S. Chelsa Lane, Bethesda, Maryland; E. K. DeJean, December '44, Salem, Indiana; Jack D. Singer, '47, 7344 Michigan Avenue, Detroit, Michigan; H. J. Compton, '47, 361 E. Clinton, Frankfort, Indiana; Dudley Smith, December, '44, 812 Life Building, LaPorte, Indiana; John P. Puckett, '33, 144 E. Washington Stret, Winchester, Indiana; Darwin M. Reed, '49, 701 Flower, Tacoma Park, Maryland; H. E. Slessinger, '27, 108 Electric Building, East Pittsburgh, Pennsylvania; A. B. Libke, '27, 435 W. Washington, Sullivan, Indiana;

On March 15 the Radiology Symposium brought many dentists to visit us and a few of them came in and registered with us. J. O. Hasler, '27, Liberty, Indiana; C. E. Worth, '97, 708 Bankers Trust Building, Indianapolis, Indiana; R. D. Gannon, '46, 113½ N. Main, Monticello, Indiana; Paul A. Allen, '29, Greenfield, Indiana; Paul R. Oldham, '27, 5115 Central Avenue, Indianapolis, Indiana; Ivan A. Hill, '11, Knightstown, Indiana; Angel P. Garcia, '46, Jasonville, Indiana; E. E. Ewbank, '01, Kingman, Indiana; R. D. Denny, '47, Rushville, Indiana; J. R. Shroyer, December '44, 32 N. 5th Street, Vincennes, Indiana; J. L. Johnson, '27, 1510 N. 2nd Street, Vincenes, Indiana; Frederick Morrison, '19, 504 Union Bank Building, Kokomo, Indiana; Paul T. Worster, December, '44, 353 Citizens Bank Building, Anderson, Indiana;

The following persons have signed our book since March 15. Horace Beaver, '34, 521 Highland, Indianapolis, Indiana; W. R. Shoemaker, '31, 517 Citizens Bank Building, Anderson, Indiana; William Winer, '48, 113½ S. Michigan, South Bend, Indiana; Calvin Christensen, '48, 205 Bremerton Trust & Savings Build-

*(continued on page 27)*

# Odd-dentities

by *Ruhamah Hannah*

Congratulations to Rita Downing Fowler, married May 20 . . . Since the latest issue there have been four symposia at the dental school, all well attended. And there was the state meeting, all five of which brought forth many whom we hadn't seen for a long time. For instance, Melvin Nevel, '46, South Bend; Raleigh Phillips, '46, Brazil; Bob Gannon, '46, Monticello; John Richards, '45, Shelbyville; John Hohe, '45, Huntington; Miles Standish, '45, Muncie; Dick Johns, '47, Hammond; Bob Alber, '47, and wife, Ligonier; Wendell Lee, '49, Warsaw; Manuel Sposeep, '49, Wabash; Bill Winer, '47, South Bend; Jack Singer, '47, and wife, Detroit; Al DeFrank, '49, Hagerstown; Marty Walton, '47, and wife, Knoxville, Iowa; Dave Gephardt, '47, Anderson; Tony Fisher, '47, Alexandria; Don Biggs, '49, (now a proud parent), Evansville; John Bach, '49, Lebanon; Arthur Stine, '47, Newcastle; Eugene Kipple, '46, Terre Haute . . . Phil Giltner, '48, has another addition to his family . . . Our sympathy to Jack Denison, '50, on the death of his father, Dr. Arthur E. Denison . . . The dental school has been given a grant from the Veterans' Administration for research in hydrocolloid impression materials, with Professor Ralph Phillips and Dr. Rush Bailey in charge . . . The class of '43 staged a successful reunion during the state meeting. Over 60% attendance . . . Forty-seven sophomores and juniors will attend R.O.T.C. camp for six weeks this summer. Some to go to Brooke General Hospital and Brooke Army Medical Center, San Antonio, Texas; some to Fitzsimmons General Hospital, Denver, Colorado; and some to Ft. Bragg, North Carolina . . . Dr. Sumner Pallardy, Tem-

ple University, and Dr. John Buhler, Dean at Emory, were visiting the dental school recently. Back in Indiana for the meeting at French Lick . . . Jack Wilkins, '44, is moving to Florida, leaving his office at Crawfordsville with Fred Cantrell, '50 . . . A postgraduate course in complete denture prosthesis was given at the dental school during the month of June. Enrollment was limited to twelve. Lectures and clinicians for the program were Drs. Hughes, Martin, Hill, Spear, Hall, and Hine, and Professor Phillips. Dr. Hill formerly taught anatomy to the freshman dental students and is now on the faculty at the U. of Miami, Florida. He just returned from a two-week lecture tour in Paris and London . . . Several new faculty members have been added to the roster during the past year. Drs. Fred Hohlt, Samuel Patterson, and Tom Esmon in operative; Dr. Ronald Ping in surgery; Dr. John Johnson in crown and bridge; Drs. Paul King and Tom Beavers in prosthetics . . . Approximately 125 dentists attended the heart symposium . . . Fifty students are working in the clinic this summer, keeping us all busy . . . Mr. Calvin Kernodle has been added to the technicians staff in prosthetics, and Mr. Ben Ito has been added to the technicians in dental materials . . . Major J. C. Sexson, who is in charge of the R.O.T.C. program at the dental school, is leaving in August for a new assignment in San Antonio . . . The dental school is scheduled to have a new loading dock constructed this summer. It will be larger and enclosed in order to facilitate unloading and storage of supplies and equipment . . . And that's all for this time.

# Class and Fraternity Notes

---

## FRESHMAN CLASS

The gun has sounded and the freshman dental class has now started their last big lap leading up to those big hurdles: finals. Those who make these big hurdles will then start the trek northward and begin wandering around the halls at 1121 West Michigan and will be known as sophomores!

The past school year has been filled with our introduction into the basic sciences. The hurdles of biochemistry and histology have been passed, with those in physiology, gross anatomy and oral anatomy coming up. Dr. Misselhorn has led us through the maze of tooth carving in plaster, ivorine and at the present time we are starting to work in wax. Drs. Van Dyke, Webster, and Moss are teaching us the all-important head and neck, while Dr. Nicoll has been guiding our footsteps along the paths of physiology.

The year has been filled with work but we have had our time out for relaxation and fellowship. On February 25th we held the annual M.O.D. Club dance which was held in Alumni Hall after the Iowa basketball game. The Jordanaires provided the intermission entertainment. We were honored by having the faculty and their wives as our guests.

March brought us the smokers held on the Bloomington campus by the dental fraternities. April and May brought the week ends in Indianapolis for us sponsored by the various fraternities. We all received some wonderful information about dental school from these gatherings and enjoyed the fine spirit of fellowship which prevailed.

Our last get-together as the freshman class will be held soon in the form of a picnic. The wives and girl friends have been invited, for this will be the last relaxation until after finals. As we part for the summer the cry will be, "See you in Indianapolis".

*James L. Kirwin*

## SOPHOMORE CLASS

At this time we find the sophomores well on their way toward becoming juniors—at least every one hopes that this is the case. The past year was filled with problems varying in nature from—how to get through pathology to how to place a gold foil with the approximating tooth in place—but it was also full of such pleasant

moments as when the student could say, "At last that bridge is finished," or, "I finally finished that Class III foil."

The completion of the first semester found 10 men of the class on the Dean's Honor List, and all members of the class successfully completed the semester—some are convinced that miracles still happen.

Everyone is looking forward to these last few weeks, some with doubts but all with a feeling of having gained much from this past year. Several of the members have gained more than others in that within the class we now have several new fathers, and several old fathers new ones again.

The change in the seasons has made athletes out of many of the men, and it is a common sight to see softball being played on the lot at noontime. The main subject of conversation is, of course, golf and the many tales connected with the game. At the present time approximately three-fourths of the class members are gaining clinical experience in the department of prosthetics, and discussions along this line have been running golf close competition.

The class will have a good representation in the Armed Services this summer, since many have decided to don the uniform for a six-week period. Many others plan to spend their summer in the clinic. The reasons vary—those who would like to, those who should, and those who are requested to.

*W. J. Morton*

## JUNIOR CLASS

The junior year for the class of '51 is rapidly growing to a close. We have had some experience in nearly all of the phases of dentistry by now. It has been a year of extensive learning for the juniors with the emphasis placed upon the practical aspect of dentistry. We have had our share of rocking foils, post deliveries on dentures and hematomas, but all in all, have done pretty well. The summer will find most of the juniors working in the various clinics gaining more experience in surgery, filling root canals, "tap-tapping" on gold foils, etc.

The social activities of the class were limited to the various fraternity dances and parties and the lunch time games of euchre and bridge.

*(continued on page 23)*

You grads who haven't been back to the dental school for a few years would find many changes in the building, faculty, and the student body. But you would especially notice the large numbers of cars in the parking lot. Of the seventy-six members of the junior class, twenty-five own cars that are under two years old.

The junior laboratory seemed quite crowded last fall with two students to a bench, but things ran very smoothly just the same. The mad rush up to the clinic after lectures has pretty much ceased, except for some of the beaverlike characters. Now the sophomores literally trample the juniors as they make their rapid ascent to the third floor clinic.

I'm sure we all have enjoyed the junior year and sort of hate to see it end; however, it means the end of technic work and from now on we'll be concentrating on making preparations for the State Board Examinations.

*Alden B. Thompson*

## SENIOR CLASS

With the senior practical examinations a thing of the past now, the senior class has settled back to await the results and anticipate the forthcoming graduation. Everyone is now busily engaged in getting all patient's needs taken care of before bidding good-bye to the school. The majority of the class has plans already made for the future and need only to graduate and pass the board examinations before putting them into action. From the locker room gossip this class will be spread out all over the country and therefore the school will be well represented in many of the forty-eight states. The class is very sincere in wanting to be a credit to the school and will be proud to bear the title of "graduate of Indiana University School of Dentistry."

The social wind-up of the class is now in full swing with the annual razz banquet the thing of the moment right now. Committees have been appointed and they are hard at work rounding out a program that will do justice to the idea of the occasion. There is also a plan under way for our annual picnic which will come about very soon. On June 1st the class has been invited to visit Eli Lilly plant for a full day and then enjoy an evening of entertainment. Needless to say we are eagerly awaiting this day.

Congratulations are in order for the Dean Hoppes, who became the parents of their first off-spring last week. From all reports the father and baby are both getting along very nicely.

Two members of the class had the misfortune of becoming ill at this crucial stage of the game. Earl Harrison and Fred Cantrell are both taking an enforced vacation from the school but we hope to see them back before many more days go by.

Since this is the last article that the class will write for the bulletin we wish to thank Dean Hine and the faculty for trying to impart a little knowledge into our souls. We honestly hope that we will be a credit to the school and we will always try to carry out the principles that have been taught us in the last four years.

*Ken L. Smith*

## ALPHA OMEGA

The end of another school year finds Alpha Omega preparing to send its graduating fraters into the dental world by honoring them at its annual Senior Farewell Banquet. This year the honors will be extended at La Rue's, Saturday, May 13. Dean Hine has accepted our invitation as guest speaker.

Graduating in the stellar class of '50 are Jack Z. Alexander, Seymour Fay, Jack Light, Howard M. Stein, William V. Vogel, Arthur J. Wolin, and Isadore Zarin. Jack Alexander plans to spend some time as visiting surgeon at Cumberland Hospital in New York. Jack Light has accepted a general internship at Jersey City Medical Center in Jersey City, New Jersey, and Art Wolin has undertaken a surgery internship at Lincoln Hospital in New York. Sy Fay, Howard Stein, Vic Vogel, and Iz Zarin plan to enter private practices in Syracuse, New York, Newark, New York, and Cleveland respectively. The best of everything to all of you and our hopes are high that you will visit us often.

Elections for the forthcoming year were held recently and the following were chosen:

President—Jack Prost

Vice-President—Sid Schwimer

Secretary—Gerald Epstein

Treasurer—Charles Hamer

Thanks to former president Art Wolin and the panel which guided through '49-'50.

*Jack Prost*

## DELTA SIGMA DELTA

Spring brings the usual buzz of activity around the Delta Sig house. Seniors can now breathe a sigh of relief since their clinical examinations are over. Their attention is now focused on graduation and the State Board

*(continued on page 24)*

exams next month. The juniors are hurrying to get that last partial denture finished and to finish up their crown and bridge technic. The lab is a busy place almost every night. Sophomores find the going much easier now with microbiology out of the way.

The dining room also has been rejuvenated from top to bottom. It boasts a brand new paint job and new rubber tile on the floor. The laboratory has been improved by installation of a new dental engine and a sink.

The next social event of the year will be the annual spring formal, to be held on May twentieth. The house is to be decorated according to an appropriate spring theme and everyone is looking forward to a good time that night. Also in the line of recreation, the golf fever has hit some of the Delta Sigs and they head for the golf course in every spare minute. Many sunburned faces can be seen as a result.

There are about 15 men planning to attend school and to live in the house this summer, so any of you alumni who get down to Indianapolis, don't forget to drop in to say "hello".

*Robert L. O'Neal*

## PSI OMEGA

Another school year is drawing to a close with Omega Chapter of Psi Omega Fraternity definitely on the upswing. Much has been accomplished in the last nine months.

The lab equipment from the old residence has been moved to our new place and, through the generosity of alumni brothers, we now have an entirely complete dental laboratory. Kibitzers, note!

The formal pledge season started on February 21st at Bloomington. In spite of a cold, rainy day, a 90% freshman turnout resulted. A complete remodeling of the house is well under way. The first floor was finished just in time for our successful Indianapolis rush party for freshman on April 29th. This day, like February 21, was rainy and blustery but one would never have known it when the rugs were rolled up and the dancing, card playing, etc. began.

Among other social functions not to be forgotten were the Christmas Party on December 10th, the Italian Spagetti Supper on March 25th, and the Roller Skating Party on May 1st.

The annual election of officers was held on March 7 and the new nerve center consists of: Grand Master, Raymond R. Price; Jr. Grand Master, Raul Iturrino; Secretary, Walter J. Barkes; and Treasurer, Daniel W. Check, Jr.

The sophomores expected their first year on this campus to be easier than their Bloomington obstacle but were surprised how much was in store for them. Juniors, as usual, are concerned with becoming seniors, and the seniors in turn, are worrying about points and state board.

Psi Omega men always find time to see the nurses who live across the street. The fellows in the house find the spacious lawns of Ball Nurses Residence a nice place to play baseball, and often the girls join in as the cheering section. Quite often one will find one of the nurses sporting a Psi Omega pin. We lost one sophomore to the ranks of the married at Eastertime and another plans to be married this summer to a nurse he met here last November. Indeed, it is a struggle to keep the boys from wandering away.

It has been a good year for our fraternity and from the way everything is shaping up, we anticipate next fall to usher in an even greater school year.

*Tony J. Chidalek*

## XI PSI PHI

Much has happened to the "Zips" in the past year. Twenty-two new pledges were initiated into the organization in November, bringing the membership up to thirty-seven active members. The initiation ceremonies and pledge banquet were held at the new chapter house located at 1511 N. Park Avenue. The house was purchased for the chapter by the Indiana Alumni Association. The house is an excellent one offering unlimited possibilities and plans have been made for many new developments. There was, of course, the usual furor and confusion of moving in and getting organized, but things moved along smoothly and the house was settled in short order. A lab has been installed in the basement and complete facilities are now available at the house for all of our lab needs.

On the social side, the chapter sponsored a Christmas party, an open-house in February, and a rush week-end for the Bloomington freshmen. As with the typical fraternity party a good time was had by all.

The new officers for the year 1950-51 were elected and installed on April 25th. They include:

President—Ernest H. Besch  
Vice-President—John A. DuMond  
Secretary—Robert E. Tarplee  
Treasurer—Donald M. Cunningham

*(continued on page 25)*

Many plans are in the fire for the chapter and their new house. A recreation room, new furniture, and the development of great potentialities of the house occupy the prominent spots in the activities planned for the coming year.

*Ed. C. Thibodeau*

## DENTAL HYGIENISTS

*(continued from page 4)*

physics and biology with laboratory experience.

### *Advanced Standing*

The application of an advanced student will be considered by the Committee on Admissions of the School of Dentistry. A suitable curriculum will be arranged to satisfy the individual student's requirements for graduation.

### *Fees and Expenses*

The basic fees cover a library and laboratory fee, building and health service.

#### Tuition:

Resident .....\$137 a year

Non-resident .....\$369.00 a year

#### Additional Expense:

Books and Instruments

approximately \$125.00 each year

Incidentals .....\$50 a year

### *Housing*

As the University cannot assume responsibility for housing, at this time, it is recommended that wherever possible students live with relatives or friends of the family. In cases where this is not possible, attempts will be made to help the student secure desirable housing.

### *Application for Admission*

Application for admission should be addressed to the Director, Training Program for Dental Hygienists, Indiana University School of Dentistry, Indianapolis, Indiana. As soon as the application form for entrance has been properly filled out and returned, a personal interview with the Director will be arranged for those ap-

plicants who have acceptable credits. If the applicant lives some distance from the University, the interview will be arranged with some representative designated by the Director.

## LIBRARY

*(continued from page 17)*

*McDonald, R. E. Anodontia in hereditary ectodermal dysplasia. Journal of Heredity 40:95-98, April 1949.*

Two types of mendelian heredity are commonly recognized in which the gene may be dominant or recessive. In either case the gene may or may not be sex-linked. The hereditary character of the anomaly (ectodermal dysplasia) has been generally accepted as being sex-linked recessive and rarely seen in females.

A case of anodontia in the female is reported. The heredity in this case is of an incompletely recessive character. The complex abnormality (ectodermal dysplasia) is evident in the daughter and a slight deficiency in the dentition is noted in the mother. An older brother and the father of the patient are unaffected. Information from the parents indicates that no other members of the family are affected. The mother and father of the patient are distant cousins.

Anodontia in the female is a rare occurrence of the homozygous condition. The rarer the gene the more likely it is to appear only in the children of consanguineous marriages.

*Phillips, R. W. & Van Huysen, Grant. Dentifrices and the tooth surface. The American Perfumer and Essential Oil Review 51:33-37, Jan. 1948.*

The effect upon the enamel surface of various abrasives used in commercial dentifrices is shown. Luster changes and microscopic examinations of these tooth surfaces after brushing with the various abrasives indicate that calcium carbonate

*(continued on page 26)*

produces a marked abrasion of the tooth surface. Di-calcium and tri-calcium phosphates are rather inert in regard to their polishing action while sodium metaphosphate was superior to all of those tested in terms of its ability to polish the enamel surface. These differences can be associated with variations in the particle size, uniformity, and hardness. Probably a polishing rather than an abrasive agent would be desirable in a dentifrice, both for esthetics and because a polished tooth will remain cleaner longer. This paper also describes the composition of tooth structure, the caries mechanism, and the effect of fluorine in reducing enamel solubility.

*Phillips, R. W. & Swartz, Marjorie L. Effect of fluorides on hardness of tooth enamel. Journal of the American Dental Association 37:1-13, July 1948.*

The Tukon Testor was used to study the hardness of enamel *in vitro* as it is affected by fluorides. This investigation offers a new laboratory method of evaluating various therapeutic agents and, as in the case of solubility studies, can be used effectively as a screening procedure before clinical tests. The hardness changes noted in this study were definite though not tremendous. These hardness changes in themselves may not be particularly significant in regard to protecting the tooth from caries, but the more important fact is that the results of this study give added evidence that the protective mechanism of topically applied fluorides is based on a clinical change on the tooth surface.

It was found that certain compounds increase the hardness of enamel and likewise tend to protect the enamel from the softening action of acids. Stannous fluoride proved to be the most effective compound tested. Maximum hardness was obtained after twenty-five minutes of treatment, with swabbing being the best method of application on the accessible

areas. Although the solution is most effective on a dry tooth, a beneficial action, in terms of *in vitro* hardness changes, can be obtained on a tooth surface which is wet with saliva. After twenty-five minutes immersion, the depth of the protective fluorapatite layer is of sufficient thickness to withstand four minutes of coarse pumice.

*Phillips, R. W. Compressive strength of amalgam as related to time. Journal of Dental Research 28:348-355, August 1949.*

Six popular alloys were studied in order to determine their compressive strength as it is related to time. Crushing strengths were tested at various time intervals ranging from ½ hour up to, and including, 6 months. It was found that amalgam, though quite weak during the first few hours, rapidly gains its strength and generally reaches approximately 85 per cent of its maximum strength by the end of the first eight hours. The compressive strength thereafter continues to increase gradually up to the sixth-month final test. Hardness measurements, made with the Knoop indentor, verified these findings. These crushing strength measurements were correlated with the setting reactions and indicated that equilibrium in the amalgam restorations is not reached for an indefinite period of time. The results of this study do demonstrate that the real danger of fracture in the amalgam filling lies during the first few hours after it has been placed in the mouth. Wilful or accidental stress on the restoration at that time will cause fracture. In order to minimize the chances of early fracture, it does appear that biting stress should not be applied during the first six to eight hours.

*Phillips, R. W. & Swartz, Marjorie L. Mercury analysis of 100 amalgam restorations. Journal of Dental Research 28:569-572, December 1949.*

*(continued on page 27)*

This study involves mercury analysis of 100 amalgam restorations taken from extracted teeth. Data indicate that the average mercury content was 45.4 per cent with individual extremes of 28.6 per cent and 61.0 per cent. Some of these fillings with very low mercury content can probably be attributed to use of the older type alloys which had a high tin content. No correlation could be obtained between a particular type of preparation and the final mercury content. It can be seen from this research that there is wide variation in the residual mercury content of individual restoration, dependent upon the manipulative technique employed. Attention to certain fundamentals can minimize the amount of mercury remaining in the restorations and thus assure maximum strength and resistance to tarnish.

#### STATE BOARD OF HEALTH

*(continued from page 5)*

effective service, it must be recognized that the most important single factor in the program of the State Board of Health is the staff of professional and technical workers. The building itself would mean very little without this group of well trained and well qualified professional, technical, and clerical personnel.

#### RADIODONTICS

*(continued from page 6)*

veloping films exposed by the technicians and learning dark room technique, and in the second semester the junior students start making radiographs themselves. During the first semester of the senior year, each senior student is required to make a full mouth interpretation of an adult patient and one of a child patient in conjunction with his routine work in the department. During the second semester he is required to make a lateral

mandible exposure on one of his fellow students.

From July 1, 1948, to July 1, 1949, 2240 full mouth x-rays were taken, and during the year starting July 1, 1949, to the present time, 3614 have already been taken as well as many single exposures, bitewings, occlusal and temporomandibular views. With the continued increase in the demand for radiographs in each department and with our increased facilities and personnel, we are rapidly working toward the ideal of having every patient radiographed preoperatively as well as postoperatively.

(This is the sixth in a series of articles concerning the function and future plans of various departments in the dental school)

#### ALUMNI NOTES

*(continued from page 20)*

ing, Bremerton, Washington; Leo Pas-kash, '49, 1160 Delaware, Gary, Indiana; H. K. Binkley, '39, Corydon, Indiana; W. H. Harlan, '25, Lynn, Indiana; R. S. Johns, '47, 508 Calumet, Hammond, Indiana; R. J. Alber, '47, Ligonier, Indiana; R. W. Lee, '49, Warsaw, Indiana; Manuel Sposeep, '49, 23 W. Market Street, Wabash, Indiana; L. F. Abel, '26, No. 600 N.T.C. Great Lakes, Illinois; Arthur Stine, New Castle, Indiana; John C. Austin, '25, 521 Professional Building, Phoenix, Arizona; Hayward G. Flickner, '49, 1013 Parrett Street, Evansville, Indiana.

We are again happy to bring you the most recent addresses of one of our classes and this time it is the April, 1944, Class—remember we are going backward in reporting on classes. We received answers to our card from all but those we have marked with an asterisk. We have given the last addresses from our file on them. We appreciate your cooperation and wish to state that we realize quite well we were caught in our own

*(continued on page 28)*

cleverness. Thinking that our editor would get the Bulletin out early we sent out cards in December—when it was decided to skip one issue the first cards you sent back were carefully put away and, I might add, completely forgotten. When the call came for “Copy” we promptly sent out another card and you were all gracious enough to complete it without saying a word. Thank you! And now for the Class of April, 1944.

#### CLASS OF APRIL, 1944

- \*Arbuckle, Robert Byron  
R.R. 6  
Shelbyville, Indiana
- Beall, Marvin Elbert, Jr.  
115 N. Prince  
Princeton, Indiana
- Beavers, Thomas Harold  
5462 E. Washington  
Indianapolis, Indiana
- \*Bechtel, Kermit Ray  
41 Shoots Building  
Goshen, Indiana
- Bromm, Edward Adam Jr.  
814 Hulman Building  
Evansville, Indiana
- Bronstein, H. H.  
850 Park Avenue  
Bloomfield, Conn.
- Brown, Robert V.  
West Street  
Oakland City, Indiana
- Burke, Yale M.  
816 Odd Fellows Building  
South Bend, Indiana
- Chevalier, Arthur Brenton  
3328½ Fairfield  
Fort Wayne, Indiana  
*“had the privilege of attending the  
Bikini Atomic bomb test in 1946”.*
- Cleveland, Kenneth Girdwood  
127½ W. Marion  
Elkhart, Indiana
- DeFrank, Victor  
1211 Ract Street
- Exline, Harold  
500 E. Spring Street  
New Albany, Indiana
- Folkening, Irving F.  
1106 Prospect  
Indianapolis 3, Indiana  
*(My brother N. C. Folkening, M.D.,  
and I are moving into larger offices  
at 204 Fountain Square Theatre  
Building).*
- Fullmer, Harold Milton  
6363 St. Charles Avenue  
New Orleans, Louisiana  
*(I am Assistant Professor of general  
pathology at Loyola University School  
of Dentistry. I spent 2½ years in the  
Army after graduation, and took an  
internship and a residency in Oral  
Surgery at Charity Hospital in New  
Orleans after returning from the  
Army).*
- Goebel, Russell William  
221 West Wayne Street  
Fort Wayne 2, Indiana
- Goldenberg, Irwin  
242 Trumbull Street  
Hartford 3, Conn.  
*(married with one child—things go-  
ing very well).*
- Gonzalez, Jose’ Antonio  
Atterbury Air Force Base  
Columbus, Indiana  
*(Base dental surgeon—2466th AFR  
TC Atterbury AFB Civilian dentist).*
- \*Gustavson, Arthur Evan  
N.A.S. Boca Chica  
Key West, Florida
- Hudson, Cyrus Merrell  
129 W. 12th Street  
Anderson, Indiana
- Makelski, Robert Anthony  
114 Lincoln Way West  
Mishawaka, Indiana

*(continued on page 29)*

Norwitz, Sidney Saul  
75 Pratt Street  
Hartford 3, Conn.  
*(married Miss Molly Tulin of Hartford—April 16, 1950)*

\*Nussman, John Jules  
257 Straight Street  
Paterson, New Jersey

Pierce, James G.  
938 Meridian  
Anderson, Indiana

Polz, Marcel A.  
117 E. 16th Street  
Indianapolis 2, Indiana  
*(daughter born April 10, 1945, October 25, 1947, December 7, 1949—new home at 3612 N. Gladstone—December 19, 1949).*

Poyser, Max E.  
127½ W. Marion Street  
Elkhart, Indiana

Regis, Ernest G.  
18 Monument Square  
Charlestown 29, Massachusetts

Renshaw, Lowell Robert  
19 E. 34th Street  
Indianapolis 5, Indiana

Rohinsky, Irving  
23 Church Street  
New Haven, Connecticut

\*Roth, Harold Walter  
1214 E. Virginia Street  
Evansville, Indiana

Segal, Oscar B.  
1205 Madison Avenue  
Indianapolis, Indiana

Slinkard, Robert H.  
Tribune Building—Wabash Avenue  
Terre Haute, Indiana

Stone, Robert B.  
413 E. 34th Street  
Indianapolis 5, Indiana

Van Ausdal, James S.  
418 Beach Drive N.  
St. Petersburg 4, Florida  
*(My free time is spent at my lodge—Fishing and taking it easy. "Poison Oaks" appropriately named—a good many class and school mates have spent a few days with me at same. Wedding date June 6, 1950—Miss Dorothy I. Carmack, graduate of University of North Carolina—Class of 1945).*

Van Horn, William A.  
312 Merchants National Bank  
Terre Haute, Indiana  
*(Dr. Robert Slinkard is finally going to get married!)*

Wesner, James Lyle  
814 Hulman Building  
Evansville, Indiana

Wilkins, J. B.  
201½ E. Main Street  
Crawfordsville, Indiana  
*(since receiving the card back from Dr. Wilkins we have learned that he and Mrs. Wilkins are moving to Florida. We should hear from him by the next time the Bulletin comes out so we can give you his new address).*

Next time we hope to bring you the Class of August, 1943.

## Heart Symposium

A symposium on the relation of heart disease to the practice of dentistry was presented June 28 at the Indiana State Board of Health Auditorium. This symposium was sponsored by the dental school, Indiana State Board of Health, and Indiana Heart Foundation.

## Junior A.D.A.

The winter and spring program consisted of interesting talks by United States Senator Homer Capehart, Tom Ashbrook, President of Blinded Veterans of America, Paul Imle, insurance salesman, and Harvey Foster, Officer-in-Charge of F.B.I. for this district. Two sports movies were shown; one was the I.U.-Purdue football game, narrated by Coach Edmonds, and the other was a World Series baseball game of 1949.

The membership drive headed by chairman Rex Hodges was successful in obtaining 94% membership in the Junior A.D.A.

The annual Junior A.D.A. dance was held February 18, 1950, at the Columbia Club to the music of the Stan Sterbenz Orchestra.

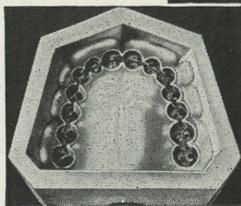
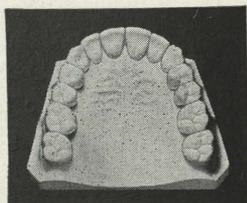
Spring holds promise for an annual picnic to be held sometime in May.

## Indiana University School of Dentistry

offers a course consisting of two pre-dental years (Chemistry, Biology, Physics, and English required) and four years in the Dental School, leading to the degree of Doctor of Dental Surgery. Directly associated with Indiana University School of Medicine and Riley and Long Hospitals.

Write for bulletin  
RECORDER, INDIANA  
UNIVERSITY SCHOOL OF  
DENTISTRY  
1121 West Michtigan Street  
INDIANAPOLIS

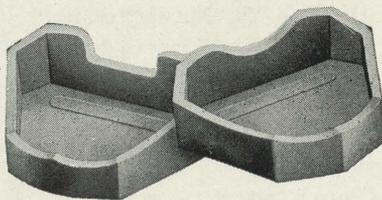
MAKE  
Demonstration  
MODELS  
from  
SURPLUS  
PLASTER



with  
COLUMBIA  
RUBBER  
DENTOFORM  
MOLDS

Better than sketches to explain cases to patients

Instead of wasting surplus plaster pour it into the Mold. If not enough, add the next excess mix, first wetting the set plaster. To make Models with Ivorine abutments, insert Ivorine Teeth into Mold before pouring. Sets of Upper and Lower Molds Now Available  
No. R20—A set without 3rd molars .....\$5.00  
No. R22—A set with 3rd molars ..... 5.00  
No. R24—A set for deciduous models .. 5.00  
Ivorine Teeth, each ..... .50



### Columbia Rubber MODEL FORMERS

Make Neat Bases on  
Your Study Models

Pour plaster or stone into Model Former, mount anatomical cast and let set. The soft flexible rubber permits easy removal of model, which comes out with a perfectly smooth, symmetrical and finished base.

Upper and lower models can be made in these formers to occlude automatically!

Price per set, 1 Upper & 1 Lower  
No. R1—Large Size .....\$3.50  
No. R2—Medium Size ..... 3.50  
No. R3—Small Size ..... 3.00

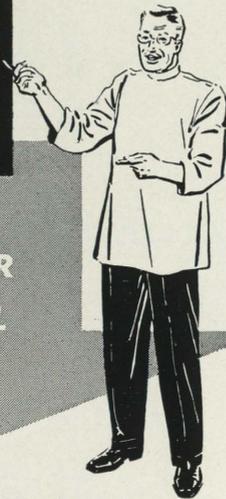
Study models show patients their mouths as you see them. Make study models regularly. You need them as you do X-Rays.

## COLUMBIA DENTOFORM CORPORATION

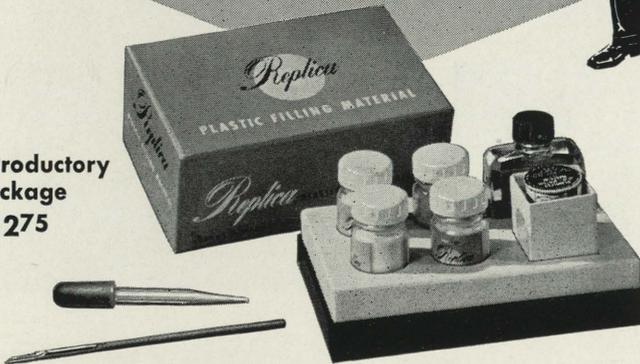
"The House of a Thousand Models"—also headquarters for Brown Precision Attachments  
131 East 23rd Street  
New York 10, N. Y.

# TENACIOUSLY ADHESIVE!

THERE'S NO OTHER  
FILLING MATERIAL  
LIKE IT!



Introductory  
Package  
\$1275



Doctor, you'll find that Replica is a *unique* resin filling material with distinctive advantages not inherent in any other filling material! It is a specially formulated polymerized resin that is easier to use than cements — it adheres *tenaciously* to cavity walls — it self-cures in a few minutes yet it allows ample working time. Replica is so distinctly superior that we are glad to have you use it . . . prove it to your own satisfaction with our SPECIAL TRIAL OFFER.

## **SPECIAL TRIAL OFFER**

*If you do not find Replica to be better than any other filling material, return the package for full credit!*

---

### **RYKER DENTAL DEPOT**

Odd Fellow Bulding

Indianapolis

Fr. 4507

Please send me one Replica Introductory Package on your Special Trial offer.

DR.....

STREET.....

CITY..... STATE.....

T. M. CRUTCHER DENTAL DEPOT, Inc.  
1130 Hume Mansur Bldg.  
—P. O. Box 94—  
Indianapolis 6, Indiana

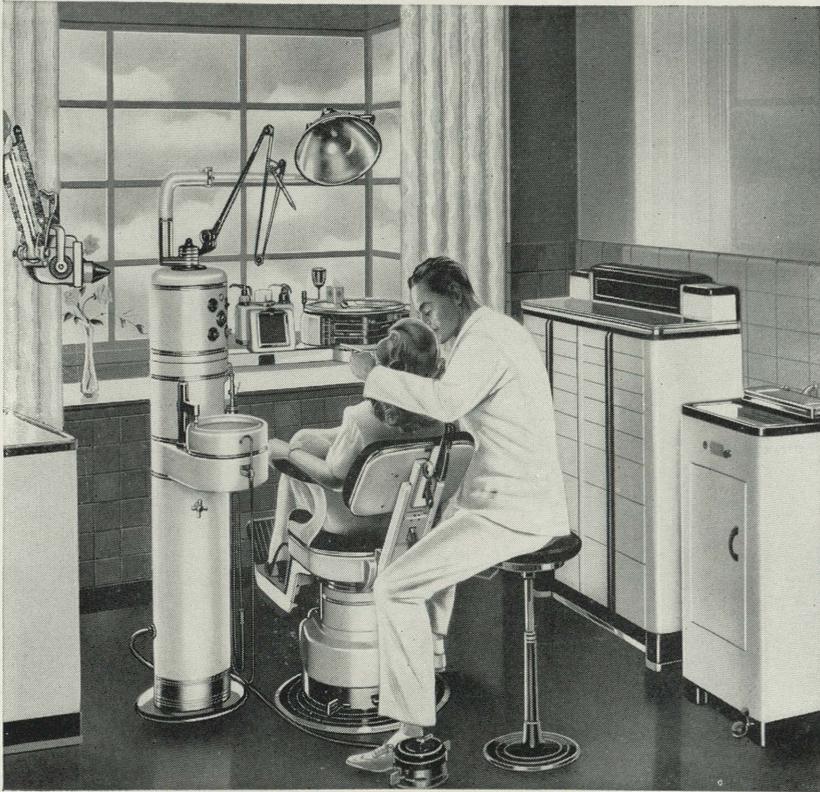
Lincoln 7515



DENTAL SUPPLIES  
AND EQUIPMENT

*Reputation is never completely earned;  
It is a continuing responsibility.*

(Auxiliary member Indianapolis Dental Society)



Be modern . . . Look modern

WITH

*S. S. White*

**MOTOR CHAIR  
MASTER UNIT A  
OPERATING STOOL**

S. S. White installations can be made without delay, without expensive renovating, and on convenient payment terms.

**THE S.S.WHITE DENTAL MFG. CO., PHILADELPHIA 5, PA.**

# **The Ransom & Randolph Co.**

**Offers The Facilities Of  
Two Splendid Supply Houses**

**to**

**Indiana Dentists**

**and**

**Dental Laboratories**

---

*Complete Planning Service*

---

*— Convenient Locations —*

**INDIANAPOLIS**

**200 Bankers Trust Building**

**KENNETH S. MANN, Manager**

**and**

**SOUTH BEND**

**202 Sherland Building**

**MAURICE D. LINDLEY, Manager**

*Return to*

INDIANA UNIVERSITY SCHOOL OF DENTISTRY  
1121 West Michigan  
INDIANAPOLIS 2, INDIANA

Sec. 562, P.L.&R.  
U.S. POSTAGE

**Paid**

Indianapolis, Ind.  
Permit No. 563