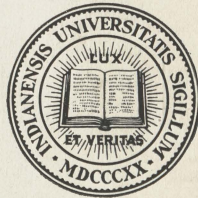


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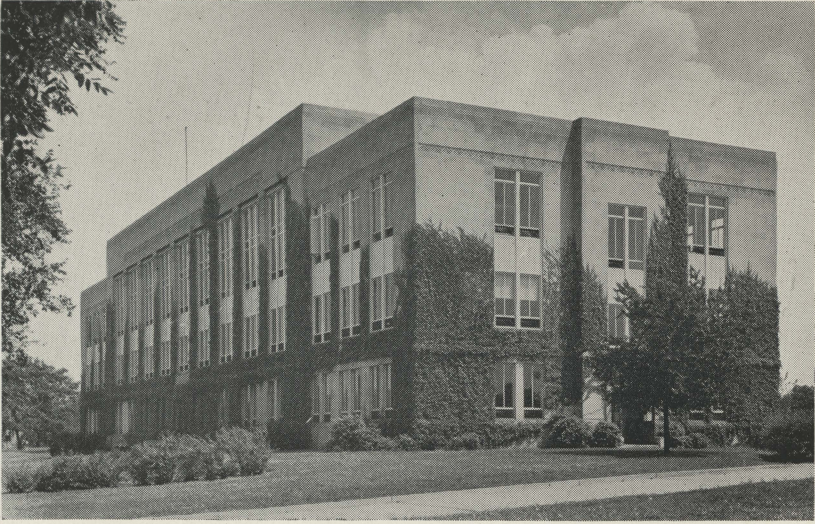
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INDIANA UNIVERSITY BULLETIN



INDIANA UNIVERSITY SCHOOL OF DENTISTRY

Register for 1945-46
Announcements for 1946-47



Dental Building, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, Indiana.

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

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Vol. XLIV, No. 20

June, 1946

Staff, 1945-46

BOARD OF TRUSTEES

- *ORA LEONARD WILDERMUTH, Gary. Term expires 1946.
- *JOHN SIMPSON HASTINGS, Washington. Term expires 1947.
- PAUL LAMBERT FELTUS, Bloomington. Term expires 1947.
- WILLIAM ALBERT KUNKEL, Bluffton. Term expires 1947.
- FRANK EMERSON ALLEN, South Bend. Term expires 1947.
- *(Mrs.) MARY RIEMAN MAURER, Indianapolis. Term expires 1948.
- GEORGE WASHINGTON HENLEY, Bloomington. Term expires 1948.
- C. WALTER MCCARTY, Indianapolis. Term expires 1948.

OFFICERS OF THE BOARD

ORA LEONARD WILDERMUTH, President.
WARD GRAY BIDDLE, Treasurer (died May 28, 1946).
THOMAS AUBREY COOKSON, Secretary.

SCHOOL OF DENTISTRY EXECUTIVE COMMITTEE

President Wells, Chairman; Vice President and Dean of the Faculties Briscoe; Vice President and Treasurer Biddle; Dean Hine; Trustees Maurer and McCarty; Administrator Martin, Secretary.

OFFICERS OF THE SCHOOL OF DENTISTRY

HERMAN B WELLS, A.M., LL.D., President.
WILLIAM LOWE BRYAN, Ph.D., LL.D., L.H.D., President Emeritus.
HERMAN THOMPSON BRISCOE, Ph.D., Vice President, and Dean of the Faculties.
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JOSEPH AMOS FRANKLIN, B.S., Treasurer (beginning June 14, 1946).
THOMAS AUBREY COOKSON, Registrar.
MAYNARD KIPLINGER HINE, D.D.S., M.S., Dean of the School of Dentistry (beginning July 1, 1945).

FACULTY OF THE SCHOOL OF DENTISTRY

* The Faculty of the School of Dentistry is arranged alphabetically in the different ranks.

FACULTY AT BLOOMINGTON

WILLIAM HOPKINS CRAWFORD, Dean of the School of Dentistry, and Professor of Dentistry (resigned June 30, 1945).
D.D.S., University of Minnesota, 1923.
MAYNARD KIPLINGER HINE, Dean of the School of Dentistry (beginning July 1, 1945), and Professor of Periodontia and Histopathology.
D.D.S., University of Illinois, 1930; M.S., 1932.
JACOB A. BADERTSCHER, Professor of Anatomy, and Assistant to the Dean of the School of Medicine at Bloomington.
Ph.B., Ohio University, 1909; Ph.M., 1910; Ph.D., Cornell University, 1914.

* Elected by the alumni of the University.

PAUL MONTGOMERY HARMON, Professor of Physiology.

A.B., Indiana University, 1914; A.M., 1915; Ph.D., 1920.

EDWIN NICHOLAS KIME, Professor of Anatomy.

A.B., Indiana University, 1914; M.D., 1916; M.D. *cum laude*, 1917.

HARRY GILBERT DAY, Associate Professor of Chemistry.

A.B., Cornell College, 1930; Sc.D., Johns Hopkins University, 1933.

ROBERT TOWNER HILL, Associate Professor of Anatomy.

B.S., South Dakota State College of Agriculture and Mechanic Arts, 1928; M.S., Kansas State College of Agriculture and Applied Science, 1929; Ph.D., State University of Iowa, 1932.

RUSSELL LOWELL JONES, Assistant Professor of Anatomy (on leave of absence, 1945-46).

A.B., Westminster College, 1930; M.S., St. Louis University, 1932; Ph.D., University of Minnesota, 1934.

RICHARD ARTHUR MISSELHORN, Assistant Professor of Dental Anatomy.

A.B., Indiana University, 1929; D.D.S., 1937.

PAUL ANDREW NICOLL, Assistant Professor of Physiology.

A.B., Tarkio College, 1930; Ph.D., Washington University, 1936.

FACULTY AT INDIANAPOLIS

WILLIAM HOPKINS CRAWFORD, Dean of the School of Dentistry, and Professor of Dentistry (resigned June 30, 1945).

D.D.S., University of Minnesota, 1923.

MAYNARD KIPLINGER HINE, Dean of the School of Dentistry (beginning July 1, 1945), and Professor of Periodontia and Histopathology.

D.D.S., University of Illinois, 1930; M.S., 1932.

JAMES WILLIAM ADAMS, Professor of Orthodontics (beginning December 1, 1945).

B.S., Transylvania College, 1931; D.D.S., Ohio State University, 1936; M.S., University of Illinois, 1939.

FRANK FORRY, Professor of Pathology.

A.B., DePauw University, 1910; M.D., Indiana University, 1923.

JOHN FRANK HALL, Professor of Oral Surgery.

D.D.S., University of Pittsburgh, 1934; B.S., 1935.

FRANK CARLYLE HUGHES, Professor of Prosthetic Dentistry.

D.D.S., Indiana Dental College, 1918.

HENRY BIRT MORROW, Professor of Periodontia (on leave of absence, beginning August 1, 1944).

D.D.S., Indiana Dental College, 1921.

THURMAN BROOKS RICE, Professor of Bacteriology and Public Health.

A.B., Indiana University, 1914; A.M., 1917; M.D., 1921.

ERT JAY ROGERS, Professor of Crown and Bridge Prosthesis.

D.D.S., Indiana Dental College, 1919.

GRANT VAN HUYSEN, Professor of Oral Diagnosis.

D.D.S., University of Pennsylvania, 1925.

JOHN LACY WILSON, Professor of Operative Dentistry, and Superintendent of Clinic.

D.D.S., Indiana Dental College, 1912.

REUBEN ALBERT SOLOMON, Clinical Professor of Medicine.

B.S., Indiana University, 1915; M.D., 1917; M.D. *cum laude*, 1918.

JACOB KOHN BERMAN, Associate Professor of Surgery, and Assistant in Medical Economics and Postgraduate Instruction.

A.B., Indiana University, 1919; M.D., Jefferson Medical College, 1921.

DREXELL ALLEN BOYD, Associate Professor of Pedodontia.

D.D.S., Indiana University, 1934.

HAROLD RAYMOND HULPIEU, Associate Professor of Pharmacology.

A.B., Southwestern College, 1924; A.M., University of Oklahoma, 1924; Ph.D., Johns Hopkins University, 1928.

DONALD J. WHITE, Associate Professor of Bacteriology.

B.S., Indiana University, 1927; M.D., 1929.

WILLIAM FULLER BARNFIELD, Assistant Professor of Oral Histopathology (beginning September, 1945; died June 1, 1946).

D.D.S., Washington University, 1939; M.S., 1944.

ROBERT GARDNER BOGGS, Assistant Professor of Operative Dentistry.

D.D.S., Indiana University, 1932.

JOSEPH EUGENE BUCK, Assistant Professor of Operative Dentistry.

D.D.S., Indiana Dental College, 1923.

ROBERT HAYES DERRY, Assistant Professor of Prosthetic Dentistry.

D.D.S., Medical College of Virginia, 1940.

GEORGE THADDEUS GREGORY, Assistant Professor of Oral Surgery.

D.D.S., Indiana University, 1928.

ALVA OVERLIN HUMPHREYS, Assistant Professor of Crown and Bridge.

D.D.S., Indiana University, 1926.

ROBERT JOSEPH MEYERS, Assistant Professor of Crown and Bridge.

D.D.S., Indiana University, 1928.

AMOS CHASE MICHAEL, Assistant Professor of General Pathology.

A.B., DePauw University, 1925; M.D., Indiana University, 1932.

RICHARD ARTHUR MISSELHORN, Assistant Professor of Dental Anatomy.

A.B., Indiana University, 1929; D.D.S., 1937.

LEWIS BENSON SPEAR, Assistant Professor of Roentgenology.

D.D.S., Indiana Dental College, 1917.

LYLE ALFRED WEED, Assistant Professor of Bacteriology.

A.B., Simpson College, 1927; M.S., Iowa State College of Agriculture and Mechanic Arts, 1928; Ph.D., Western Reserve University, 1932; M.D., State University of Iowa, 1939.

ROBERT FRANK DENNY, Instructor in Prosthetic Dentistry.

D.D.S., Indiana University, 1926.

RALPH EARL McDONALD, Instructor in Children's Clinic (beginning April, 1946).

B.S., Indiana University, 1942; D.D.S., 1944.

WILBUR CHAPMAN MOORMAN, Instructor in Oral Surgery.

D.D.S., Medical College of Virginia, 1943.

RALPH WILBUR PHILLIPS, Instructor in Dental Materials.

A.B., Indiana University, 1940.

HAROLD RAIDT, Instructor in Bacteriology.

B.S., University of Kentucky, 1933; M.S., 1934.

MELVIN AARON RITTER, Instructor in Prosthetics.

D.D.S., Indiana University, 1943.

HENRY MAURICE SWENSON, Instructor in Oral Diagnosis and Histology and Pathology (resigned July 1, 1945).

B.S., University of Illinois, 1941; D.D.S., 1942.

FREDERICK DEVON LOGAN, Part-time Instructor in Operative Dentistry (resigned October 1, 1945).

D.D.S., Indiana University, 1944.

RAY HARLAN ANDERSON, JR., Clinical Instructor (beginning August 1, 1945; resigned July 1, 1946).

D.D.S., Indiana University, 1944.

ROBERT PRESTON BOESINGER, Clinical Instructor.

D.D.S., Indiana University, 1935.

ALLY NEVILLE BURKS, Clinical Instructor (beginning February 1, 1946).

D.D.S., Indiana University, 1942.

EDITH DAVIS, Clinical Instructor (beginning September 1, 1945).

D.D.S., Indiana Dental College, 1912.

JOHN CONLEY ROBINSON, Clinical Instructor (beginning January 1, 1946).

D.D.S., Indiana University, 1931.

HENRY MAURICE SWENSON, Clinical Instructor (beginning October 15, 1945).

B.S., University of Illinois, 1941; D.D.S., 1942.

HERBERT FRANCIS WALDHIER, Clinical Instructor (beginning September 1, 1945).

D.D.S., Indiana University, 1945.

ROBERT DOUGLAS ARMSTRONG, Lecturer in Jurisprudence.

A.B., Indiana University, 1915; A.M., University of Wisconsin, 1917; LL.B., George Washington University, 1924; LL.M., 1925.

JAMES BURCHARD CARR, Lecturer in Practice Management.

D.D.S., Indiana Dental College, 1905.

RALPH VERNON KINZIE, Student Assistant in Pharmacology.

A.B., Manchester College, 1938; M.D., Indiana University, 1942.

ROBERT LOUIS ANDERSON, Interne (beginning October 1, 1945; resigned June 1, 1946).

B.S., Indiana University, 1943; D.D.S., 1945.

MALCOLM EDWARD BOONE, Interne (beginning June 1, 1946).

D.D.S., Indiana University, 1946.

ELWOOD WILLIAM BRICKLER, Interne (beginning September 15, 1945; resigned November 1, 1945).

D.D.S., Indiana University, 1945.

ELEANOR THERESE DEROCHE, Interne (resigned October 26, 1945).

D.M.D., Tufts College, 1944.

ROBERT MILTON GATES, Interne (resigned September 1, 1945).

D.D.S., Indiana University, 1944.

ARNOLD M. RUSSO, Interne (September 1, 1945, to May 31, 1946).

A.B., Indiana University, 1942; D.D.S., 1945.

WILLARD CONKLING STAMPER, Interne (beginning December 1, 1945).

D.D.S., Indiana University, 1937.

CHARLES JOSEPH VINCENT, Interne (beginning September 1, 1945).

B.S., Indiana University, 1943; D.D.S., 1945.

ASSISTING STAFF

EILEEN ADAIR, Clerical Assistant, Oral Histopathology.

(Mrs.) CLARA E. BENEFIEL, Typist, Dean's Office.

(Mrs.) HELEN WOERNER CAMPBELL, Librarian.

JANE CRUDEN, Clerk, X-Ray.
THELMA DECKARD, Clerk and Typist, Oral Diagnosis.
MARY ANN EBACK, Assistant Cashier.
LUCILLE ELSON, Stenographer, Oral Surgery.
KATHLEEN FERGUSON, Research Assistant, Dental Materials.
(Mrs.) JEANELLE FRANKLIN, Appointment Clerk.
JO ETHEL GRAY, Desk Assistant, Library.
RUHAMAH HANNAH, A.B., Instrument Clerk.
(Mrs.) CLEONA HARVEY, Secretary to the Dean, and Recorder.
MAXINE JOHNSON, Assistant, Oral Surgery.
GERTRUDE KATZENBERGER, Clinic Office Manager, and Cashier.
ALICE KRICK, Assistant, Children's Clinic.
K. LOUISE LAUGHLIN, Order Clerk, Dean's Office.
(Mrs.) BEULAH MACDOUGALL, X-Ray Technician.
ROSE MARY MILLION, Clerk, Oral Surgery.
RITA ANNE SAHM, Clerical Assistant, Clinic.
RICHARD C. SCOTT, Photographer.
JACQUELINE SPRAGG, Assistant, Orthodontia.

Calendar, 1946-47

Indianapolis Campus

First Semester

September 23Monday, 8 a.m. ..Classes begin.
November 27Wednesday, 12 noon..Thanksgiving recess begins.
December 2Monday, 8 a.m. ..Thanksgiving recess ends.
December 21Saturday, 12 noon..Holiday recess begins.
January 6Monday, 8 a.m.Holiday recess ends.
January 27MondayFinal examinations begin.
February 1Saturday, 12 noon..First semester ends.

Second Semester

February 10Monday, 8 a.m. ...Classes begin.
April 3Thursday, 5 p.m. ..Sprng recess begins.
April 7Monday, 8 a.m. ..Spring recess ends.
May 30FridayMemorial Day, a holiday.
June 4WednesdayFinal examinations begin.
June 11Wednesday, 5 p.m..Second semester ends.

Bloomington Campus

First Semester

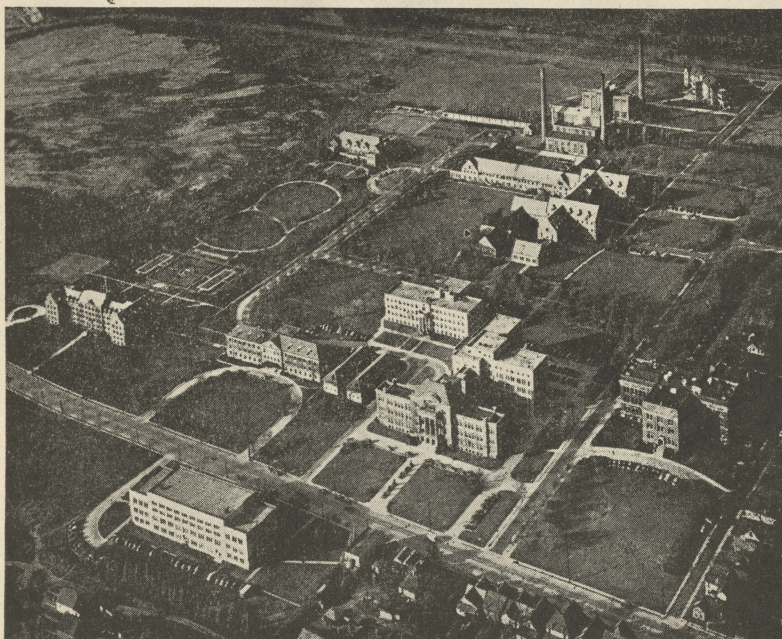
September 20-25Friday-Wednesday ...Matriculation, registration, orientation, and
enrollment of new Freshmen.
September 25, 26 ..Wednesday, Thursday.Registration of other students.
September 25, 26 ...Wednesday (noon),
Thursday Enrollment of other students.
September 27FridayClasses begin.
September 28SaturdayTuesday-Thursday and daily classes meet.
November 27Wednesday, 11 a.m....Thanksgiving recess begins.
December 2Monday, 11 a.m.... Thanksgiving recess ends.
December 20Friday, 11 a.m. ... Holiday recess begins.
January 3Friday, 11 a.m. ... Holiday recess ends.
January 4Saturday Tuesday-Thursday and daily classes meet.
January 27MondayFinal examinations begin.
February 1SaturdayFirst semester ends.

Second Semester

February 10, 11Monday, Tuesday ..Registration.
February 11TuesdayEnrollment.
February 12WednesdayClasses begin.
April 3Thursday, 11 a.m...Spring recess begins.
April 7Monday, 11 a.m....Spring recess ends.
May 30FridayMemorial Day, a holiday.
June 4WednesdayReading day.
June 5ThursdayFinal examinations begin.
June 7SaturdayLast day for filing Senior grades.
June 11WednesdaySecond semester ends.

Indiana University School of Dentistry

Opportunities in Dentistry. Study of modern social trends in the United States indicates that there will be an increased demand for dental service in the next generation. Because the war has interfered with the education of dentists, however, it will be many years before enough dentists can be trained to meet the increased demands. Young men and women who are ready to choose a vocation now can be advised to consider a career in dentistry.



The Medical Center at Indianapolis, which includes the Dental School Building, provides abundant training facilities in its hospitals, laboratories, and clinics.

Dentistry has much to offer the individual who elects to study and practice it. The dentist has the satisfaction of knowing his services contribute to the health, comfort, and appearance of his patients, for dentistry has proved itself as an important health service. It is true dentists do not generally become wealthy, but they are reasonably assured of an adequate, dependable income, and a respected place in community life. Usually the dental practitioner may regulate his working hours, and in many ways he enjoys a greater independence than persons in most vocations. Such advantages as these make most dentists happy in their vocation.

The general practitioner of dentistry is trained to care for a variety of oral diseases, and he finds that each patient presents a different problem in diagnosis and treatment. Most dentists engage in general practice, but there are several recognized specialties in the field of dentistry. For example, the orthodontist is trained to prevent and correct malpositions of teeth, the periodontist to care for diseases of the soft tissues of the mouth, the pedodontist to care



In this building on the Bloomington campus dental students learn their fundamental sciences.

for the dental problems of children, the exodontist to extract teeth, the oral surgeon to care for the more complex surgical procedures required in the oral cavity, the endodontist to treat infected root canals of teeth, the prosthodontist to restore lost teeth, and the operative dentist to replace parts of teeth lost by decay. In addition to these specialties there is a need for dentists in Public Health, Dental Corps of the U.S. Army, Navy, Veterans Administration, in research, and in teaching.

To those young men and women who are interested in scientific courses, those who have an interest in developing exacting technical skills, and those who would sincerely like to serve in one of the health professions, dentistry has much to offer.

The next class entering will enroll in September, 1946; thereafter students will be enrolled every September.

History and Description. Indiana Dental College was organized in 1879 by a group of members of the Indiana State Dental Associa-

tion in accordance with an agreement with the Indiana General Assembly of that year, which had passed the first law governing the practice of dentistry in Indiana.

It was the ninth dental school to be organized in America and has successfully offered dental education for sixty-six years. Graduates are to be found practicing in practically all civilized countries and in every part of the United States.

On June 1, 1925, by act of the Indiana legislature, the College was purchased by the state and became Indiana University School of Dentistry. The new school building, which is complete in every particular, was built in 1934 and is located in the Medical Center on West Michigan Street in Indianapolis.

The Indiana University Medical Center consists of the School of Medicine, the School of Dentistry, the Training School for Nurses, the Robert W. Long Hospital, the James Whitcomb Riley Hospital for Children, the Kiwanis Wing, the Rotary Convalescent Home, the State Board of Health Building, the Clinic Building, and the William H. Coleman Hospital. Such a situation is ideal for the study of dentistry. Students in the School of Dentistry are admitted to all the University Hospitals for training and observation in hospital procedure.

In March, 1940, it was decided by the Board of Trustees that instruction in the fundamental sciences should be given in the School of Medicine on the Bloomington campus for the Freshman year of dentistry. The change in location of the Freshman dental work does not affect the two-year pre dental and four-year dental plan of education. The curriculum will be as before on the 2-4 plan as outlined by the Dental Educational Council.

The School is a member of the American Association of Dental Schools and conforms to all recommendations of that Association. The course in dentistry covers four academic years, leading to the degree Doctor of Dental Surgery.

The School of Medicine at Bloomington. There has never been a period in the history of medical and dental education in which the importance of a close university connection was greater than at present. Because there is a close relationship between the School of Dentistry and the remainder of the University and because the practice of dentistry and the different branches of research connected with it are based upon practically the same fundamental sciences as the practice of medicine, it has been deemed advisable to provide facilities for training in fundamental sciences in the regularly established departments of the University for that purpose. Gross anatomy, histology and embryology, physiology, oral anatomy, and biological chemistry are taught to the Freshman dental students in the School of Medicine on the Bloomington campus.

Clinics. The facilities for clinical material at the Indiana University School of Dentistry are excellent. The clinics serve a population, including nearby towns connected with Indianapolis, of about 600,000 people.

The variety of cases that present themselves is almost unlimited. Every student in the Dental School has abundant opportunities of-

ferred to perfect his technic in placing gold, amalgam, and silicate cement fillings, porcelain and gold inlays, crown and bridge work, partial and full dentures, root canal treatment and filling, radiographic technic, and to study the various pathological conditions that present themselves during the conduct of a dental practice. The clinic is open daily, and is constantly under the supervision of competent instructors.

Hospital patients are available for study in Long Hospital, and the Long Dental Clinic, which has been established for many years, allows the student to study hospital procedures and care of patients in the various departments of the hospital.

RILEY DENTAL CLINIC. Through funds made available to the Indiana State Board of Health from the Federal Social Security Act, equipment was purchased for a dental clinic in the Riley Hospital in the summer of 1942. This equipment was installed on the first floor of the Riley Hospital and provides complete facilities for X-ray, restorative, and surgical needs. Students are regularly assigned to this clinic for experience gained in hospital procedures. Patients are chosen from the wards through resident and dental intern contacts, and dental students receive the experience of treating hospitalized patients.

THE CHILDREN'S CLINIC. In May, 1936, through the cooperation of the late Colonel Clinton T. Messner, then chief dental surgeon of the Public Health Service, an agreement was entered into by the federal government and the University. The University agreed that the School of Dentistry would undertake research programs in relation to the problems confronting the public and the profession in the care of children's teeth. In accordance with this agreement the children's clinic was established and is one of the most modern and well-equipped clinics in existence. The children's clinic was established under the direct supervision of Colonel Messner, an alumnus of the School.

The Library of the School of Dentistry. The library of Indiana University School of Dentistry, located in the Dental School Building, contains 6,471 volumes (April 1, 1946) of texts and periodicals, and approximately 1,000 pamphlets and reprints, covering the dental fields and allied subjects. More than 200 dental and medical periodicals are received currently. Each year the library receives numerous gifts of books and periodicals from graduates and friends of the School, many of which help to complete volumes for binding. Many valuable publications are also received through the Medical Library Association Exchange, of which the library is a member. The use of the library is steadily increasing. It is under the direction of a committee composed of five members of the Faculty, and is in charge of a full-time librarian.

To the Predental and Freshman Dental Student. For the convenience of the predental and Freshman dental student, an office will be maintained on the Bloomington campus one day each week by Dean Maynard K. Hine, of the School of Dentistry. At other times students may consult Professor Robert Hill.

Living Expenses at Bloomington. The expenses of the student at Bloomington will vary according to his manner of living.

Miscellaneous expenses, including textbooks, laundry, entertainments, lectures, concerts, athletic games, subscriptions to organizations, etc., range from \$30 to \$80 a semester.

HALLS OF RESIDENCE. Housing facilities for students will be provided by the University in the Halls of Residence (Sycamore, Morrison, Memorial, Forest, and Forest Place for women, and West, South, and North for men).

University-operated residences accommodating women offer cooperative living. Admission is on the basis of scholarship and necessity. No board is furnished in these houses.

Rates for room and board for a semester in all Halls of Residence, except South Hall, are as follows, per person: \$325 for a double with bath; \$300 for a single room; \$265 for a small single or a double; \$235 for small double, triple, four in one room, four-man suite (two rooms), four-man suite (three rooms), six-man suite (two rooms), eight-man suite (three rooms).

In South Hall rates for a semester for one person are: \$300 for double with bath; \$235 for a double; \$215 for small double and for eight-man suite (three rooms).

In Hoosier Halls (for men) the rate is \$213 for each man for room and board.

In Town House (for men) the rate is \$35 a semester for room.

In cooperative housing for women the rate for room is \$54 a semester (with no linen or maid service).

Rooms for Negro students are \$112 single and \$82 double.

Monthly rates for trailers for married students are as follows, including utilities: \$32.50 (expansible); \$25 (standard); \$12.50 for space for privately-owned trailer, price including utilities.

For a reservation in one of these buildings, send a \$10 deposit to the Central Housing Office, Administration Building, Indiana University, Bloomington, Ind., made payable to the Treasurer of Indiana University.

Temporary housing has been acquired in 1946 for the large number of veterans in the University. A village of trailers, some of which are three-room units, provided with utility, community house, and nursery units, furnish quarters for married veterans and their families. Various types of additional dormitory facilities have also been made available for unmarried veterans and other students.

For information concerning rooms for all students, including married, address the Central Housing Office, Administration Building, Indiana University, Bloomington, Ind.

Payment for board and room is to be made at the Cashier's window in the Treasurer's office within the first ten days of occupancy, and no statements will be issued. A loss and breakage deposit of \$10 must be sent in with each application for a

room. This is in addition to the contract price for a room. The fee will be refunded only after accounts have been cleared. A semester is approximately eighteen weeks in length. All Hall residents provide all their towels and wash cloths, and any blankets required in addition to the one furnished by the University. All other equipment is furnished and cared for by the University, except that students in the cooperative houses furnish all their bedding and clean their own rooms.

If the student decides to cancel a reservation, the deposit fee of \$10 will not be refunded unless the Director is notified ten days before the opening of the semester.

Contracts in University Halls of Residence are for two semesters beginning in September. If a student withdraws from college, all the room rent and board money for the remainder of the semester from the date of the official withdrawal will be refunded.

OFF-CAMPUS LIVING. For rooms in private houses, application should be made to the Dean of Women for rooms accommodating women students, and to the Housing Office for Men, Administration Building, for men's rooms.

Most of the modern rooms for men, in private houses, occupied by one person, have cost, during the past year, from \$3 to \$5 a week. A few rooms were available at slightly lower rates. Two students occupying a modern room have paid from \$2 to \$4 each. Rooms in private homes are engaged for the semester and paid for weekly. The cost of rooms for men students for a semester will vary, then, from a possible minimum of \$36 to \$90, except for rooms in suites and with private baths.

Modern rooms, in private houses, occupied by one woman, have cost, during the past year, from \$3.50 to \$5 a week. Two women occupying a modern room in a private home pay from \$3 to \$3.50 each. Fifty cents extra is charged if the bed linen is furnished by the householder, twenty-five cents extra a week for laundry privileges and pressing, and twelve and one-half cents a week for a radio. Rooms in private homes are engaged for the semester and are paid for weekly in advance. The cost of a room for a woman student for a semester will vary then from \$54 to \$90, except for rooms in suites and with private baths.

Meals are available at many restaurants and at one or two boarding clubs near the Indiana University campus. The Indiana Union, a department of the University, operates a Cafeteria (the Commons) in the Union Building. At the time this Bulletin went to press the average cost of meals in the Cafeteria was as follows: breakfast, 21 cents; lunch, 47.5 cents; dinner, 48.5 cents.

To the New Student at Indianapolis. For information upon any matter connected with dental education, write to the Indiana University School of Dentistry, Indianapolis 2, Indiana. Information may be obtained at the main office in the School of Dentistry at any time between 9 a.m. and 5 p.m.

Living Expenses at Indianapolis. Students will find living expenses comparatively reasonable in Indianapolis.

Board may be obtained at prices varying from \$5 to \$10 a week; rooms, furnished, from \$10 to \$20 a month.

The average gross amount of money spent by Dental School students is largely regulated by the spending habits of the individual. A considerable percentage of students work for their board, and a few earn their board and lodging outside of school hours. This is desirable only when absolutely necessary, as the school work should be the first and greatest interest in the life of the student.

Fees. Indiana University does not charge resident students a tuition fee for the cost of instruction since it is provided wholly by the state. Fees charged nonresidents cover in part the cost of instruction. These base fees have been in operation since the first semester of 1939, and the present schedule of fee collection does not constitute a change in the base fee or rate of fee but merely in the manner of its collection.

The fee schedule which follows becomes effective the first semester of 1946-47.

All predental students enrolled in the Junior Division or the College of Arts and Sciences if they are legal residents of the state of Indiana, are charged a fee of \$48.75 for fifteen hours of work.

Predental students who are not legal residents of the state of Indiana but who have been in attendance at Indiana University prior to the first semester of 1946-47 and who have established their status by the payment of the published out-of-state rate then in effect, shall be charged a fee of \$67.50 for fifteen semester hours of work.

Predental students who are not legal residents of the state of Indiana and who are enrolled in the above Schools are charged a fee of \$153.75 for fifteen semester hours of work.

Fees for predental students carrying less than or more than the number of hours indicated will be calculated on an hourly basis.

A student who withdraws may, within five days after withdrawal, upon presenting the proper withdrawal notice at the Cashier's office, procure the following refund:

Withdrawal during first or second semester: 75 per cent refund if withdrawal occurs within thirty days of date fees are due; 50 per cent refund if withdrawal occurs within sixty days of date fees are due; 25 per cent refund if withdrawal occurs within ninety days of date fees are due.

Withdrawal during summer session: 75 per cent refund if withdrawal occurs within fifteen days of date fees are due; 50 per cent refund if withdrawal occurs within thirty days of date fees are due; 25 per cent refund if withdrawal occurs within forty-five days of date fees are due.

All students in the School of Dentistry are charged a matriculation fee of \$5 in the first year and a registration fee of \$5 in the Sophomore, Junior, and Senior year in the School. Fees for resident students in the Indiana University School of Dentistry for Freshmen,

Sophomores, and Juniors are \$117.50 per semester. For Senior students who are residents of the state, the fees are \$114.50 per semester.

All students in the School of Dentistry who are not legal residents of the state of Indiana but who have been in attendance at Indiana University prior to the first semester 1946-47 and who have established their status as nonresident students by the payment of nonresident fees then in effect shall be charged a fee of \$160 per semester.

All students in the School of Dentistry who are not legal residents of the state of Indiana and who do not qualify with the provisions of the preceding paragraph shall be charged a fee of \$213.25 per semester for the first three years. In the Senior year the fee charged is \$210.25 per semester.

In addition to the \$5 matriculation fee, all Freshman Dental students must make a payment of \$20 on first-semester fees. These fees are not returnable except in instances where students are called to active military duty. Engine rental for Sophomore, Junior, and Seniors years is \$25. The Diploma fee, payable fifteen days prior to graduation, is \$15. If a duplicate diploma is issued, a fee of \$5 will be charged.

An examination fee of \$1 is charged for each make-up or special examination. This fee must be paid to the School of Dentistry and the receipt becomes authorization to the proper instructor for holding the examination.

No student will be admitted to class until arrangements have been made for payment of fees. No exceptions will be made and the student should come prepared to pay his fees.

In case a student is compelled to postpone his work or withdraw, the fees, except Registration fee, will be returnable in full if such action is taken within ten days after registration. If the withdrawal occurs within ten weeks, a proportional amount of this fee will be refunded. No fees will be credited on a subsequent year upon withdrawal.

Breakage, damage, and loss of school property must be paid for by the student or students at fault. In case they are not known, it will be charged against the entire class or student body.

The School will not be responsible for the loss of any personal property belonging to any student, whether by theft, fire, or unknown cause; however, each student is provided with a steel locker and a combination lock for the protection of his personal property.

Each student must be supplied through the University Bookstore with the full required list of books. New students are advised not to make purchases until they are supplied with the official list by their instructors. No student is eligible to classes or laboratories until his books have been checked and approved.

General Expenses. Books for the first year at Bloomington will cost approximately \$67.15. Books for the three years at Indianapolis will cost approximately as follows: Sophomore year, \$80.65; Junior year, \$46; Senior year, \$165.

Instruments required for the education of a dental student are divided into two classes. Expendable instruments are those which will have a comparatively short lifetime and may be consumed by use during the education period. Such items are purchased by the student. The approximate cost of the expendable instruments is as follows: Freshman year, \$65; Sophomore year, \$160; Junior year, \$95; Senior year, \$12. Nonexpendable instruments are those which have a comparatively long lifetime and will not have to be replaced over a period of several years. All students entering Indiana University School of Dentistry for the first time in the fall of 1946 and thereafter shall furnish their own nonexpendable instruments. However, students who entered Indiana University School of Dentistry prior to September, 1946, have the choice of renting or buying nonexpendable instruments. For these students entitled and desiring to rent instruments the rental rate is \$40 per year, with a loss and breakage deposit required. For those students required or desiring to purchase these nonexpendable instruments, the cost is approximately as follows: Sophomore year, \$185; Junior year, \$25.

Health Service. The Indiana University Medical Center provides a student health service for students of the Schools of Medicine and Dentistry, the course for laboratory technicians, the Normal College of the American Gymnastic Union of Indiana University, and the Indiana University Division of Social Service. The service is designed to promote the general health of students by offering complete clinical and laboratory examinations, dispensary or infirmary care for minor illnesses, and limited hospital care for major illnesses or surgical procedures. The cost is included in the regular fee.

Fraternities. Four national Greek letter fraternities for undergraduates have chapters in this School. They are: Alpha Omega, Delta Sigma Delta, Psi Omega, and Xi Psi Phi. Some of these fraternities maintain their own fraternity houses, which offer room and board to their members.

Honor Fraternity. The national dental honorary fraternity, Omicron Kappa Upsilon, is represented in this School by the Component Chapter of Theta Theta. Membership in this fraternity is voted annually by the Faculty members to twelve per cent of the graduating class, and the key, which is symbolic of the fraternity, is awarded to each newly elected member. This election is based upon the merit of the individual student, and all nominations are made from those rating in the upper third of the class.

Junior American Dental Association. Under the auspices of the American Dental Association and the Faculty there has been organized a chapter of junior members of the American Dental Association, which is a fully recognized association to which all students in the Sophomore, Junior, and Senior classes are eligible for membership. In their meetings this chapter considers problems incident to their coming graduate experiences based on the principles established for the guidance and government of the American Dental Association. All members of this junior body automatically become

members of the American Dental Association upon graduation from this institution.

Alumni Association. Through the formation of the Indiana University School of Dentistry Alumni Association many privileges have been offered to the dentists practicing in Indiana. Each alumnus of the School automatically becomes a member of this Association. There are no dues for membership. Dr. T. Charles Smiley of Washington, Indiana, is president of the Association.

Alumni Bulletin. The School of Dentistry has a quarterly publication called the *Alumni Bulletin*. The purpose of the bulletin is to keep the alumni informed regarding the School activities and progress. The members of the Alumni Association receive the bulletin without cost.

Student Loan. The School maintains a loan fund for students who would otherwise be unable to continue dental education. The fund will be available to students in the Sophomore, Junior, and Senior years.

Omicron Kappa Upsilon Fund. The honorary dental fraternity offers a loan fund for Contingent fees for worthy Senior students.

Study Clubs and Dental Meetings. Bona fide study clubs, organized among the profession, are welcomed at the School and suitable space is available for their use without cost.

Lectures and Clinics. Members of the Faculty are available for lectures and clinics before district and local dental societies and study clubs throughout the state.

Requirements for Admission, Promotion, and Graduation

It is desirable that candidates make application at least three months prior to date of admission.

Admission. All entrance credentials must be approved by the Committee on Admissions of the School of Dentistry. Applicants for admission to the Indiana University School of Dentistry must present (1) credentials which satisfy the requirements for admission to the Junior Division of Indiana University; (2) credentials of credit for sixty semester hours or ninety quarter hours of predental collegiate work; (3) credit points to equal the number of hours of credit (a "C" average). Other factors being equal, preferential consideration will be given to applicants who are residents of Indiana. A personal interview with the Committee on Admissions is desirable.

Requirements for Admission. For admission to the School of Dentistry the successful completion of four semesters of work in an accredited college of liberal arts and science is required. The college course must include at least two semesters of credit in English, two semesters of biology or zoology, two semesters of general physics, two semesters of general chemistry, and a semester's credit in organic chemistry. All science courses must include both class and laboratory instruction.

It is recommended, although not required, that the prospective dental student elect economics, psychology, shop work (one unit), history, civics, or English to complete the high school requirement.

Program for the Predental Courses to be Presented in Indiana University at Bloomington. The following is the outline of the program for the predental courses presented in Indiana University at Bloomington:

FIRST YEAR

	Hours		Hours
Chemistry 103a	5	Chemistry 103b	5
English 101a	2	Zoology 106	4
Zoology 103	5	English 101b	2
Electives	3 or 4	Mathematics 104m	2
		Electives	2 or 3
Total*	15 or 16	Total*	15 or 16

SECOND YEAR

Physics 101a	5	English 101c	2
Organic Chemistry 227	6	Physics 101b	5
Electives	4 or 5	Electives	8 or 9
Total*	15 or 16	Total*	15 or 16

* Since a student may carry up to 16 hours a semester without special permission, the total of hours a semester is made variable in order to accommodate the selection of electives.

Students who have taken their predental work in other schools and desire to enter Indiana University School of Dentistry will be required to have their work evaluated to determine whether or not it has met the standards of admission.

The following courses are recommended as desirable electives: Foreign Language (two semesters); Psychology (Psychology 101, 104); Embryology (Zoology 220); Greek and Latin Derivatives in English (English 170); courses from Groups IV A and IV B listed under Combined Degrees (below), General and Human Heredity (Zoology 232); Public Speaking (Speech 102); General and Individual Hygiene (Hygiene 102); American Literature (English 252); Life Views of Great Men of Letters (Philosophy 143a); Life Views of Great Men of Science (Philosophy 143b).

The dental course consists of eight separate semesters predicated on the above. The degree conferred is Doctor of Dental Surgery. The first two semesters are given at Bloomington and the additional six semesters at Indianapolis.

Combined Academic and Dental Degrees The Faculty of the College of Arts and Sciences has approved the following curriculum leading to the B.S. degree for those who enter the School of Dentistry after six semesters in the College of Arts and Sciences:

FIRST YEAR

	Hours		Hours
Chemistry 103a	5	Chemistry 103b	5
English 101a	2	*Mathematics 104m	2
Foreign Language	5	Foreign Language	5
Group IV A or IV B elective	3	Group IV A or IV B elective	3
Total	15	Total	15

SECOND YEAR

Chemistry 227A and B	6	Physics 101b	5
Physics 101a	5	or	
or		Zoology 106	4
Zoology 103	5	English 101c	2
English 101b	2	Psychology 101 or 111	3
Group IV A or IV B elective	3	Group IV A or IV B elective	3
Total	16	†Free elective	2 or 3
		Total	15

THIRD YEAR

Zoology 103	5	Zoology 106	4
or		or	
Physics 101a	5	Physics 101b	5
†Electives	10	†Electives	8 or 9
Total	15	English 170	2
		Total	15

* Mathematics 104m or its equivalent is a prerequisite for Physics 101.

† Electives should be so chosen that the student will complete 18 hours in Groups IV A and IV B, with a minimum of 6 hours in each group and a maximum of 6 hours in any one subject counting toward this requirement. The third six-hour elective can be most conveniently taken in the electives of the Junior year.

FOURTH YEAR
(First Year Dental School)*

Biochemistry	5	Physiology	8
Human Anatomy	6	Oral Human Anatomy	3
Oral Human Anatomy	3	Human Anatomy	6
Histology and Embryology	5		
Total	19	Total	17

Requirements for a Concentration Group are the same for this degree as given for the A.B. degree in the general Catalog.

The choice of electives, both those needed to complete the major and minor subjects in the Concentration Groups and the free electives, should be approved by whoever is in charge of the predental work.

The selection of courses in the field of Concentration should be approved by the head of the department in which the student is offering a major.

The Faculty of the College of Arts and Sciences has also approved a curriculum leading to the A.B. degree for students entering the School of Dentistry which shall include the requirement, in addition to those set forth for the B.S., that the student pass the proficiency examination in a modern language. This will ordinarily require that the student enroll in six hours of the language during his third semester, postponing his Group IV A or IV B requirements until his fifth semester.

The courses of Group IV A are the following:

History: 101, 105, 180, 203, 204
Government: 101, 202
Economics: 101, 201
Sociology: 101

The courses of Group IV B are the following:

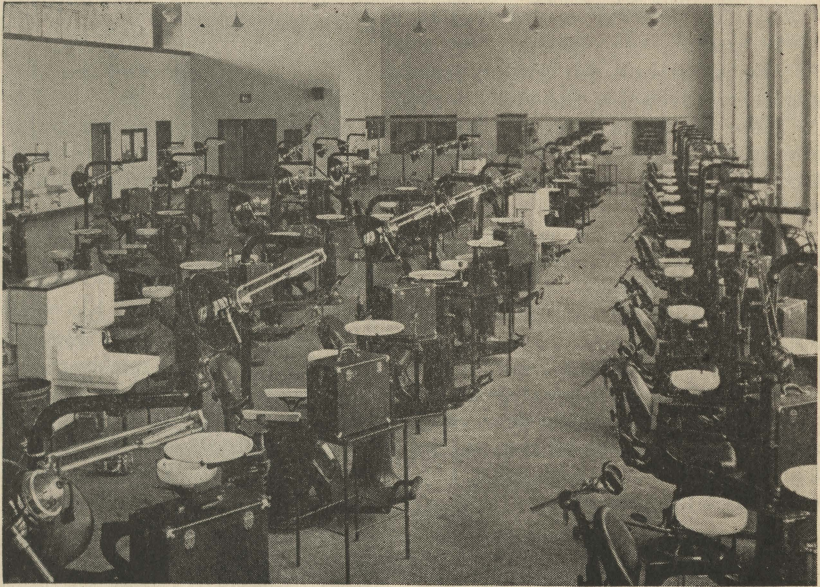
English: 102, 103
French: Any third- or fourth-year course of a literary character
German: Any third- or fourth-year course of a literary character
Greek: Any literary course beyond the first ten hours of college work or its equivalent
Italian: 114*b*, 263, and more advanced courses of a literary character
Latin: Any literary course beyond the first ten hours of college work or its equivalent
Spanish: Any third- or fourth-year course of a literary character
Fine Arts: Courses in history of art
Music: Courses in history and appreciation of music
Philosophy: 100*a*, 100*b*; 120 or 202, 203; 206, 207

Rules for Attendance and Promotion. 1. In any course the minimum attendance for which credit will be given, or which will admit a student to final examination, is 85 per cent of the time scheduled for instruction in that course. The margin of 15 per cent absence is provided to accommodate only unavoidable absence due to illness, death of relatives, delayed registration, or other causes, and it is not contemplated that this concession shall apply other than to exceptional cases.

2. In case of serious personal illness, properly attested, during the school year whereby a student's attendance falls to not below

* Not more than 30 hours of this work may be counted toward the B.S. or the A.B. degree.

75 per cent he may be permitted to make up 10 per cent of the required 85 per cent minimum by systematic work during vacation under competent instruction at his own expense. Such work must



In this clinic dental students get their practical work under supervision.

be done at the School and have the sanction of the Dean and the instructor in charge of the course.

3. Instruction in all courses will begin as scheduled. No student may obtain credit for the year's work who has not completed his registration within one day after the last stated day for registration.

4. Students will be penalized by double absence marks for absences on the two days immediately preceding and one day immediately following any scheduled vacation.

5. A student's grade of scholarship in each of his courses is determined by the combined results of examinations and classroom work. The quality of a student's work will be indicated by the following grades: A, B, C, D, E (conditioned), and F (failed). These letters stand approximately for per cents as follows: A, 95 to 100; B, 85 to 94; C, 75 to 84; D, 65 to 74. The plus and minus signs may be added to these letters and will be utilized in the computations of a student's final standing in the University. The term "incomplete" will be limited to satisfactory work which is not complete. This term will not be used to signify work of inferior quality. Conditions will be imposed only in the case of poor work.

6. A grade of 65 is considered passing.

7. A grade of between 60 and 65 is deemed a condition and may be removed by re-examination.

8. A grade below 60 is considered a failure and requires repetition of the course or additional work approved by the Dean.
9. Inability to pass an examination for removal of a condition constitutes a failure and prohibits the promotion of the student to advanced standing.
10. A student who takes a re-examination for the removal of a condition may not receive a grade of more than D.
11. A student who fails to report for examination or fails to perform any part of the required work in any course will receive an incomplete.
12. Failure to remove an incomplete or a condition grade within six months, to the entire satisfaction of the instructor in charge and of the Dean, will constitute a failure.
13. No student may be allowed to take a re-examination for the removal of a condition unless he presents to the instructor a receipt for the payment of the re-examination fee.
14. A student who has conditions or failures, or both, in courses amounting to more than 30 per cent of the scheduled hours for the semester shall be dropped from his class.
15. The Faculty reserves the right to terminate the connection of any student with the School at any time for improper conduct, gross immorality, or lack of sufficient progress in the work, and under such circumstances no fees will be returned.
16. Students who fail of promotion as herein outlined must repeat all the subjects of the lower class with the students of that class.
17. No student will be promoted to advanced standing unless he has to his credit an equal number of hours and credit points.

Summer Sessions. The dental clinics will be open during most of the summer months to allow students to obtain added clinical instruction and experience. Attendance is not required.

Graduation. Candidates for the degree Doctor of Dental Surgery must possess a good moral character and must have been students of good deportment while in school, and have completed all of the required work of the curriculum to the satisfaction of the Faculty.

Courses in the School of Dentistry, 1946-47

**In the following course statements the first digit of the course number indicates the year in which the course is offered, as follows: 1, Freshman; 2, Sophomore; 3, Junior; 4, Senior. The figures given in parentheses with the "hrs." indicate the number of actual clock hours devoted to the work; "cr." indicates credit hours.

Anatomy

- 101, 102. Human Gross Anatomy and Osteology for Dental Students.
Freshman. (282 hrs.; 12 cr.) Mr. HILL.

A lecture and laboratory course dealing with gross anatomical features of the human body, with special emphasis on the head and neck.

107. Anatomy, Oral. Freshman. (192 hrs.; 6 cr.)
Dr. MISSELHORN.

Morphological study of the teeth, their arrangement and occlusion.

108. Histology and Embrology, General. Freshman. (124 hrs.; 5 cr.)
Mr. JONES.

Study of the early developmental stages of mammalian embryos and microscopical study of the structure of the tissues and organs.

201. Histology and Embryology, Oral. Sophomore. (45 hrs.; 2 cr.)
Dr. VAN HUYSEN.

Microscopical study of oral tissues and their development, including lecture and laboratory work. Slides, radiographs, and fresh tissues from the dental clinic will be used to correlate structure and function.

415. Anatomy, Applied. Senior. (17 hrs.; 1 cr.) Mr. HILL.

A comprehensive review of the head and neck, with a liberal use of prepared specimens and other aids. Lectures stress the relationship of anatomical structures to clinical procedure.

Bacteriology

202. Bacteriology. Sophomore. (78 hrs.; 3 cr.)
Drs. RICE, WHITE, Mr. RAIDT.

The fundamentals of bacteriological technique, theory, and practice, with special reference to dental problems.

203. Personal Hygiene. Sophomore. (18 hrs.; 1 cr.)
Drs. RICE, WHITE.

The theory underlying the avoidance of infection; subjects relating to fatigue, physical adjustment to the practice of dentistry as a profession, marital life, and other life situations.

Biochemistry

109. Biological Chemistry. Freshman. (106 hrs.; 5 cr.) Mr. DAY.

A study of nutrition and metabolism, with special reference to bones and teeth.

Crown and Bridge

204. Crown and Bridge. Sophomore. (96 hrs.; 2 cr.)

Drs. ROGERS, MEYERS.

The fundamentals, indications, and application of all gold crown construction, indications and application of various types of post crowns, correlated with technic in the laboratory.

301. Crown and Bridge. Junior. (132 hrs.; 4 cr.)

Drs. ROGERS, HUMPHREYS, MEYERS.

Indications and contra-indications for fixed bridges; construction and application of certain typical bridges, the construction of which is carried out in the technic laboratory.

302. Ceramics. Junior. (45 hrs.; 2 cr.)

Dr. MEYERS.

Lectures and exercises in the preparation and use of porcelain restorations in dentistry.

401. Crown and Bridge. Senior. (219 hrs.; 4 cr.)

Drs. ROGERS, HUMPHREYS, MEYERS.

Lecture and clinical practice on various phases of fixed crown and bridge work, with special emphasis on the biologic approach.

Dental Materials

205. Dental Materials. Sophomore. (36 hrs.; 2 cr.) Mr. PHILLIPS.

Physical and chemical properties of metals and other materials used in dentistry.

Nutrition and Public Health

403. Nutrition. Senior. (18 hrs.; 1 cr.)

Dr. RICE.

414. Public Health. Senior. (15 hrs.; 1 cr.)

Dr. DERRY.

Lectures and discussion of problems relating to Public Health as applied to dentistry; how health problems are integrated with local communities; state and national programs.

Operative Dentistry

206. Operative Dentistry. Sophomore. (307.5 hrs.; 7 cr.)

Drs. WILSON, BUCK, BOESINGER.

Fundamental principles and technical procedures of operative dentistry, including classification and selection of instruments, cavity preparations, physical properties, and manipulation of filling materials and root canal technic are presented in this course, which prepares the student for clinical practice in the Junior year.

304. Operative Dentistry. Junior. (279 hrs.; 7 cr.)

Drs. WILSON, BOYD, BOGGS, BUCK, ANDERSON, BOESINGER.

Clinical applications of operative procedures taught in the Sophomore year are made in this course, supplemented by discussions and demonstrations of methods of handling patients, operating positions at the dental chair, use of separating devices, and control of pain. All clinical procedures are carried out by students under direct supervision.

404. Operative Dentistry. Senior. (363 hrs.; 8 cr.)

Drs. WILSON, BOYD, BOGGS, BUCK, ANDERSON, BOESINGER.

Lectures are continued through the first semester with clinical practice the

entire year. Mouth examination, diagnosis, and treatment planning, and studies of erosion, hypoplasia, and dental anomalies receive special attention. The practice of root canal therapy, covering all phases of pulpal involvements, is stressed.

Oral Diagnosis

303. Oral Diagnosis. Junior. (81 hrs.; 3 cr.) Dr. VAN HUYSEN.

Students are given lectures and clinical practice in mouth examination, history taking and coordination of symptomatology in more than 6,000 patients. Emphasis is placed upon detecting etiologic factors, both systemic and local, of oral disorders. Clinical teaching is supplemented by already prepared case histories with color photographs.

402. Oral Diagnosis. Senior. (51 hrs.; 1 cr.) Dr. VAN HUYSEN.

A continuation of the diagnosis course given in the Junior year (303). The Senior student is scheduled for clinical practice only and thereby has an opportunity to see and study at first hand the various kinds of mouth diseases present in the many patients who appear for treatment.

Oral Surgery

305. General Anesthesia and Oral Surgery. Junior. (14 hrs.; 1 cr.)

Drs. HALL, MOORMAN.

General anesthetics for ambulatory and hospitalized patients are considered. Particular attention is given to nitrous oxide, oxygen, vinethene, ethyl chloride, and pentothal sodium. During the second semester small groups are assigned to surgery, for demonstrations or anesthetization of patients, and surgical technic for patients under general anesthesia is demonstrated.

306. Oral Surgery and Anesthesia. Junior. (64 hrs.; 3 cr.)

Drs. HALL, GREGORY, MOORMAN.

Modern methods employed in administering local anesthetics, surgical procedures as applied to removal of teeth and other surgical treatment of diseases of the mouth are taught by lectures, lantern slides, and numerous clinical cases. Practical demonstrations of difficult and unusual cases are given at regular intervals to regularly assigned groups.

311. Principles of Surgery. Junior. (33 hrs.; 2 cr.) Dr. BERMAN.

This course is designed to inculcate in the student an appreciation of the fundamental principles of surgery as applied to the mouth. Emphasis is placed upon surgical pathology and surgical physiology rather than technic.

405. Oral Surgery. Senior. (79 hrs.; 3 cr.)

Drs. HALL, GREGORY, MOORMAN.

The course includes study of etiology, diagnosis, and surgical treatment of oral disorders, including tumors, impacted teeth, alveolar abscesses, deformities, hairlip and cleft palate, and fractures of the jaws. Students are scheduled regularly at dental clinic in Riley and Long Hospitals, make ward tours, and attend weekly tumor clinics.

Orthodontia

211. Orthodontia. Sophomore. (17 hrs.; 1 cr.) Dr. ADAMS.

Lectures and demonstrations, one hour each week, introduce the student to the problems associated with diagnosis of dental and facial anomalies. The normal pattern of change in the growth of this area and methods of recognizing deviations from normal relationships are emphasized.

307. Orthodontia. Junior. (72 hrs.; 2½ cr.) Dr. ADAMS.

The one-hour lecture period each week is devoted to studying the causes of dental anomalies and the principles employed in both preventive and corrective treatment. In a two-hour laboratory period each week of the first semester the student performs technical procedures utilized in prevention and correction of malocclusion.

413. Orthodontia. Senior. (45 hrs.; 1 cr.) Dr. ADAMS.

Each student attends the orthodontic group clinics once each two weeks throughout the year, and the principles of clinical diagnosis, etiology, and preventive and corrective treatment are reviewed, discussed, and applied.

Pathology

207. General Pathology. Sophomore. (123 hrs.; 4 cr.)

Drs. FORRY, MICHAEL.

In the study of the principles of disease production in the human body, gross specimens and histologic analyses are used as the means of learning the common ways in which the living tissues and organs of the body respond to various injurious agents.

213. Pathology, Oral. Sophomore. (54 hrs.; 2 cr.) Dr. BARNFIELD.

Detailed studies of developmental abnormalities and acquired disorders of the teeth and surrounding structures are made in this course. Illustrated lectures and a laboratory course are designed to teach the student the microscopic and clinical picture of oral lesions. Close association is maintained between this and the clinical dental departments.

Pedodontia

406. Pedodontia. Senior. (130 hrs.; 4 cr.) Dr. BOYD.

The first semester's lectures include child management, juvenile dental anatomy, and preventive procedures. Special operative and reparative procedures for the child patient are covered in the second semester. Thirty assignments in the children's clinic during the year afford the student ample practical experience in pedodontics.

Periodontia

208. Oral Hygiene. Sophomore. (18 hrs.; 1 cr.) Dr. HINE.

The importance of mouth health and methods of its preservation are discussed.

309. Periodontia. Junior. (86 hrs.; 3 cr.)

Drs. HINE, DAVIS, ROBINSON, SWENSON.

This course includes a study of the periodontal diseases confronting the general practitioner: their etiology, symptomatology, and accepted methods of treatments.

407. Periodontia. Senior. (45 hrs.; 1 cr.) Drs. HINE, SWENSON.

A review of principles taught in preceding years, with emphasis upon instrumentation and clinical procedures. Most subject material is provided by clinical cases.

Pharmacology and Therapeutics

209. General Pharmacology. Sophomore. (69 hrs.; 2 cr.)

Mr. HULPIEU.

A discussion of the mode of action of the more important drugs, with reference to their practical application in therapeutics. Laboratory observation of the action of representative drugs upon living organisms.

310. *Materia Medica*. Junior. (16 hrs.; 1 cr.) Dr. HALL.

A lecture and recitation course covering: pharmaceutical methods involved in drug preparation, posology, prescription writing, pharmaco-dynamics, and therapeutics. Emphasis is placed on the drugs that are considered important in dental practice, such as antiseptics, astringents, counterirritants, caustics, obtundents, hemostatics, and local anesthetics.

315. *Internal Medicine*. Junior. (34 hrs.; 2 cr.) Dr. SOLOMON.

A discussion of the more important medical diseases and of the drugs used in their treatment.

*Physiology*110. *Human Physiology*. Freshman. (176 hrs.; 8 cr.) Mr. NICOLL.

Blood circulation, respiration, digestion, metabolism, excretion, endocrines, central nervous system, and sense organs.

*Practice Management*212. *History and Ethics*. Sophomore. (16 hrs.; 1 cr.) Dr. WILSON.

History of dentistry: prehistoric, ancient, mediaeval, modern periods. Ethics: definition, principles, and dental code of ethics.

410. *Jurisprudence*. Senior. (18 hrs.; 1 cr.) Mr. ARMSTRONG.

Lectures and study of cases on elementary law, with special reference to contracts and torts, as applied to dental practice and on the professional relation, its duties and liabilities, malpractice and statutes governing dental practice.

411. *Practice Management*. Senior. (18 hrs.; 1 cr.) Dr. CARR.

Designed to give a complete picture of dental practice from the standpoint of business efficiency, office management, patient management, a professional understanding of community needs, etc.; an attempt to help the student, through self-discipline and understanding, to develop a philosophy of life harmonizing with a sound philosophy of dentistry.

*Prosthetic Dentistry*210. *Prosthetic Dentistry*. Sophomore. (274.5 hrs.; 7 cr.)

DRS. HUGHES, DERRY.

Lectures and laboratory exercises in the fundamental technics relative to the construction of removable restoration for lost natural teeth. Assignments are designed to utilize the student's time to the greatest advantage in preparing him to solve the clinical problems which he will encounter in the Junior and Senior years.

312. *Prosthetic Dentistry*. Junior. (215 hrs.; 6 cr.)

DRS. HUGHES, DERRY, DENNY, RITTER.

Lectures and clinical practice in the various problems encountered in prosthetic procedures. Special consideration is given to diagnosis and the effects of oral and systemic conditions on prosthetic procedures. Students are started with simple cases proceeding with the more difficult problems as they gain experience.

412. *Prosthetic Dentistry*. Senior. (289 hrs.; 6 cr.)

DRS. HUGHES, DERRY, DENNY, RITTER.

Lectures and clinical practice covering all phases of prosthetic procedure. Special consideration is given to physiologic and biologic factors and their influence on prognosis and treatment. The Senior prosthetic schedule has been supplemented by a series of lectures and demonstrations in oral-facial prosthesis.

Radiodontia

313. Radiodontia. Junior. (31 hrs.; 2 cr.)

Dr. SPEAR.

The lectures include a study of the physical principles of radiographs, terminology, manipulation of the X-ray machine, dangers of X-rays, processing of films and interpretation of radiographs. Students are assigned on service daily throughout the Junior and Senior years, making exposures, processing films, and interpreting radiographs.

Special Lectures

Special Lectures. Senior. (15 hrs.; 1 cr.)

Special Lectures Staff.

The relationship of dentistry to other phases of medicine.

In addition to the required courses in dentistry, special lectures given by members of the Faculty of the School of Medicine or others will be arranged for the Senior class.

School of Dentistry Curriculum

FRESHMAN YEAR

Semester Hours Credit

	First Semester		Second Semester		Total Credit Hours	Total Clock Hours
	Lectures	Laboratory or Clinic	Lectures	Laboratory or Clinic		
Histology and Embryology	2	3	0	0	5	124
Oral Anatomy	1	2	1	2	6	192
Physiology	0	0	5	3	8	176
Gross Anatomy	3	3	3	3	12	282
Biochemistry	3	2	0	0	5	106

Total 36 880

SOPHOMORE YEAR

Prosthetic Dentistry	1	3	1	2	7	274.5
Operative Dentistry	1	3	1	2	7	307.5
Oral Histology and Embryology	1	1	0	0	2	45
Crown and Bridge	0	1	0	1	2	96
Bacteriology	1	2	0	0	3	78
Pathology	0	0	2	2	4	123
Dental Materials	0	0	2	0	2	36
Oral Hygiene	0	0	1	0	1	18
Pharmacology	0	0	1	1	2	69
Personal Hygiene	0	0	1	0	1	18
History and Ethics	1	0	0	0	1	16
Orthodontia	0	0	1	0	1	17
Oral Pathology	0	0	1	1	2	54

Total 35 1152

JUNIOR YEAR

Operative Dentistry	1	3	1	2	7	279
Prosthetic Dentistry	1	2	1	2	6	215
Crown and Bridge	1	1	1	1	4	132
Materia Medica	0	0	1	0	1	16
Radiodontia	2	0	0	0	2	31
Orthodontia	0	0	2	1/2	2 1/2	72
Anesthesia and Oral Surgery	1	0	0	0	1	14
Oral Diagnosis	1	1/2	1	1/2	3	81
Periodontia	1	1/2	1	1/2	3	86
Oral Surgery and Anesthesia	1	1/2	1	1/2	3	64
Principles of Surgery	1	0	1	0	2	33
Internal Medicine	1	0	1	0	2	34
Ceramics	1	1	0	0	2	45

Total 38 1/2 1102

SENIOR YEAR

Applied Anatomy	0	0	1	0	1	17
Operative Dentistry	1	3	0	4	8	363
Pedodontia	1	1	1	1	4	130
Crown and Bridge	1	2	0	1	4	219
Oral Surgery	1	1	1	0	3	79
Oral Diagnosis	0	1/2	0	1/2	1	51
Periodontia	0	1/2	0	1/2	1	45
Prosthetic Dentistry	0	2	1	3	6	239
Practice Management	0	0	1	0	1	18
Jurisprudence	0	0	1	0	1	18
Nutrition	0	0	1	0	1	18
Orthodontia	0	1	0	0	1	45
Public Health	1	0	0	0	1	15

Total 33 1257

Graduate Study in Dentistry

The Graduate School of the University offers courses open to graduates of dentistry leading to the degree Master of Science. These courses are designed to afford educational opportunities for persons interested in expanding their knowledge in certain phases of dentistry, in dental research, and in teaching.

A limited number of students who possess approved qualifications are accepted for graduate work. Application forms may be obtained from the administrative office of the School of Dentistry. Admission to the Graduate School is granted by the Dean of that School after approval of the application by the School of Dentistry. University regulations as to registration and fees in the Graduate School apply to these courses.

Prerequisites. 1. A minimum of sixty semester hours of credit in the liberal arts college of an accredited institution.

2. A degree in dentistry from a recognized dental school.

Requirements. 1. Each graduate student will follow a program of study outlined by the Dean of the Dental School and the major departments involved and approved by the Dean of the Graduate School. The program will emphasize a thesis as well as courses in the major subject and will include courses in one or more closely allied fields.

2. At least thirty semester hours of University credit, including the thesis, must be earned, with a minimum of twenty hours in the major subject. Not more than eight credit hours may be allowed for clinical courses.

3. Candidates for the Master of Science degree must conduct a research problem and prepare a satisfactory thesis. Credits of longer than five years standing may not be counted toward the degree, except as validated by the Dean of the Dental School and the Dean of the Graduate School.

4. Graduate students may become candidates for the degree Master of Science upon certification by the Dean of the Dental School to the Dean of the Graduate School that the student is qualified for advancement to candidacy. This certification must occur at least one semester before the completion of the program of graduate study.

5. Graduate students who complete this program of study and research with a high standard of achievement, and who pass successfully comprehensive examinations at the end of the period, will be eligible for the degree Master of Science.

List of Students, Second and Third Semesters, 1945

FRESHMEN

Adams, Lehman David, Jr...Mansfield, La.
 Bach, John Walter.....Ashley, N.D.
 Biggs, Donald Hunt.....Evansville
 Boardman, Thomas Mark...Hoopeston, Ill.
 Brown, John Calvin.....Indianapolis
 Brown, Paul Lawrence.....Indianapolis
 Dean, Walter J.....Indianapolis
 Flickner, Hayward G.....Evansville
 Gish, Charles Willis.....Delphi
 Henderson, Jerry Herschel.....Brazil
 Hill, Lee Eugene.....Rockville
 Laudeman, Sam Roberts.....Elwood
 Lee, Roscoe Wendell.....Plymouth
 Lush, Joseph Frank.....East Chicago
 Marshall, Leo Edmond.....Charlestown
 Moser, James Philip.....Windfall
 Paskash, Leo Howard.....Gary
 Read, Darwin Miles.....Toulon, Ill.
 Rodriguez, Jenaro F....Hormigueros, P.R.
 Sheppard, Eugene Gilbert.....New Castle
 Sposeep, Manuel.....Wabash

SOPHOMORES

Badell, Paul Avano.....Knox
 Boyd, Thomas Martin.....Albany
 Burke, Max Curtis.....Indianapolis
 Christensen, Calvin Carl
Bremerton, Wash.
 Cloyd, Robert Francis.....Brookville
 Crosswhite, Vernon John
Los Angeles, Calif.
 Gilbert, Bert Wolf.....Indianapolis
 Giltner, Philip Clarence III..Huntingburg
 Giordano, Albert Richard
Phillipsburg, N.J.
 Graves, Betty Allison.....Indianapolis
 Haacke, Arthur Joseph.....Dayton, Ohio
 Hamp, Frederick.....Indianapolis
 Kohlmann, Carl Robert.....Indianapolis
 Marlette, Robert Honnold...Lawrenceburg
 Muhler, Joseph Charles.....Fort Wayne
 Schindel, Jerome Harvey ..Jamaica, N.Y.
 Turner, Eugene Robert...Middletown, Ohio
 Whisler, Philip Michael....Mission, Kan.
 White, George Richardson.Nashville, Tenn.

JUNIORS

Adams, Thomas Woodyard
Cincinnati, Ohio
 Alber, Robert James.....South Bend
 Alley, Norman Robert Arthur..Miami, Fla.
 Barr, Ervine Byrd.....New York, N.Y.
 Burack, Irwin Lionel.....Millburn, N.J.
 Castle, William Francis...Lynbrook, N.Y.

Compton, Harold James.....Frankfort
 Denny, Robert Dale.....Ladoga
 Dykema, Roland Wayne...Raymond, Minn.
 Ferrini, Peter Paul.....East Chicago
 Fisher, Anthony Wayne.....Alexandria
 Flynn, Edward Sarsfield...Spokane, Wash.
 Gephardt, David Andrew.....Anderson
 Graffeo, John.....Brooklyn, N.Y.
 Isaacs, Fred Huston.....Terre Haute
 Johns, Richard Sutherland....Hammond
 Kazlauskis, Albert Leo.....Valparaiso
 Kelley, Hudson Gaylor.....Raleigh, N.C.
 Kirchhoff, John T.....Detroit, Mich.
 Kunkel, William Albert.....Bluffton
 Lang, Lawrence Arden.....Waynetown
 Laskin, Daniel M.....Ellenville, N.Y.
 Lawrence, William Irvin...Kingston, Mass.
 Lillie, Tim Jack Warner.....Washington
 Lindquist, John Theodore...Rockford, Ill.
 Marinelarena, Rafael....Rio Piedras, P.R.
 MacDonald, Henry Holden...Melrose, Mass.
 McKay, James Robert.....Valparaiso
 Moss, Richard Worrell.....Bloomington
 Moss, Robert Louis.....Bloomington
 Narcowich, Paul Joel.....Gary
 Nazzaro, Rocco Plinio.....Paterson, N.J.
 Nevel, Lloyd Norman.....Mishawaka
 Pentecost, John William.....Tipton
 Radcliffe, Charles Daniel.....Paoli
 Roche, James Richard.....Fortville
 Shepard, Miles Milner...Wenatchee, Wash.
 Shuser, Murray.....Paterson, N.J.
 Simmons, John Jacob.....Culver
 Singer, Jack.....Miami Beach, Fla.
 Stine, Arthur.....North Manchester
 Temple, Billy Gene.....Leavenworth
 Tuckman, Marvin Alfred....Paterson, N.J.
 Turnley, William Lloyd, Jr...Fort Wayne
 Walker, Woodrow Wilson
Burlington, N.C.
 Walton, Martin Oliver.....Melcher, Iowa

SENIORS

Allen, Robert David.....Fort Wayne
 Allen, Robert Rufus.....Richmond
 Alling, Charles Calvin.....Indianapolis
 Becker, Norman.....Chelsea, Mass.
 Bezahler, Leonard.....New York, N.Y.
 Blackburn, Harold LeRoy.....Huntington
 Bollinger, Glenn Robert
North Manchester
 Boone, Malcolm Edward.....Indianapolis
 Bunch, Victor Lorain.....Borden
 Chalko, Alexander James.....Whiting
 Croxton, William Lee.....Terre Haute

DiBalsi, Dominic Francis...	Trenton, N.J.	Phillips, Raleigh Leewell, Jr.....	Braz
Dones, Marcos Antonio.....	Santurce, P.R.	Radmacher, Lamar F.....	North Liberty
Gannon, Robert Dean, Jr.....	Middlebury	Rhodes, Charles Arlington....	Indianapolis
Garcia, Angel Pedro.....	Arecibo, P.R.	Routes, John Samuel.....	Hobart
Garcia-Fortuno, Manuel..	Rio Piedras, P.R.	Rueckl, John Karl.....	Weston, W.Va.
Garrett, Dwight Allen.....	Montpelier	Russ, Patriok Clyde.....	Fort Wayne
Goodman, Phil.....	East Chicago	Smith, Donald Russell.....	Mishawaka
Howell, Charles LeRoy.....	Chalmers	Starr, Richard	Bloomington
Inman, Marlin R.....	Boonville	Strum, Robert Joseph.....	Fort Wayne
Kezlarian, Henry George		Stults, Leo Ray.....	Bristol
.....	Royal Oak, Mich.	Tapia, Alfonso Lopez	
Kipple, Eugene Robert	Terre Haute	Panama City, Panama
Kotin, Bertram Howard....	Brooklyn, N.Y.	Today, Carmelo John....	New York, N.Y.
Matlack, Harold Ellis...	Haddonfield, N.J.	Watkins, Charles Edwin, Jr...	Indianapolis
Nevel, Melvin Jerome.....	Mishawaka	White, Joe Gordon.....	Indianapolis

August, 1945, Graduates

Abbott, Gordon Franklin..	Springfield, Ohio	Mullin, Arthur Joseph.....	Indianapolis
Anderson, Robert Louis.....	Seymour	Murphy, Harry Lennis.....	Franklin
Brickler, Elwood William...	Newport, Ky.	Newmark, Irving.....	New York, N.Y.
Calland, John Joseph.....	Indianapolis	Richards, John, Jr.....	Bedford
Cohn, Leo Marvin.....	Gary	Ricketts, James Aubrey.....	Kokomo
Dawson, Kent Charles.....	Elwood	Ricketts, Robert Murray.....	Kokomo
Deale, Hugh Sisson.....	Michigan City	Robertson, Sidney Edward....	Indianapolis
Glazer, William.....	South Norwalk, Conn.	Rosenman, Harold.....	Brooklyn, N.Y.
Goodman, Milton.....	Detroit, Mich.	Russo, Arnold M.....	Indianapolis
Herrick, Charles Richard.....	Hobart	Schwartz, Stanley.....	Brooklyn, N.Y.
Hohe, John William.....	Huntington	Seller, Hubert Allee.....	Greencastle
Huff, Roger William.....	South Bend	Standish, Samuel Miles.....	Campbellsburg
Jefferis, Loren William....	Cleveland, Ohio	Stenger, John Martin.....	Indianapolis
Jennings, Richard Eugene....	Indianapolis	Vincent, Charles Joseph....	Michigan City
Kemp, Robert Edwards.....	Winslow	Waldhier, Herbert Francis.....	Troy
Kivett, Maurice C.	Greencastle	Warren, Ross Winston.....	Marshall
Longcamp, Frank Russell.....	Aurora	Witt, William Winston.....	Indianapolis
Lowry, Charles Haven.....	Bedford	Yingling, Paul Bruce.....	Kokomo
Mitchell, Weir.....	Indianapolis		