

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)



INDIANA UNIVERSITY SCHOOL OF DENTISTRY

Register for 1948-49
Announcements for 1949-50

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

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VOL. LXVII, No. 15

BLOOMINGTON, INDIANA

APRIL, 1949

Staff, 1948-49

BOARD OF TRUSTEES

- *ORA LEONARD WILDERMUTH, Gary. Term expires 1949.
- *JOHN SIMPSON HASTINGS, Washington. Term expires 1950.
- WILLIAM ALBERT KUNKEL, Bluffton. Term expires 1950. Died October 7, 1948.
- FRANK EMERSON ALLEN, South Bend. Term expires 1950.
- DILLON DONALD GEIGER, Bloomington. Term expires 1950.
- ALEXANDER MORTON CAMPBELL, Fort Wayne. Term expires 1950.
- *(Mrs.) MARY RIEMAN MAURER, Indianapolis. Term expires 1951.
- GEORGE WASHINGTON HENLEY, Bloomington. Term expires 1951.
- C. WALTER MCCARTY, Indianapolis. Term expires 1951.

OFFICERS OF THE BOARD

- ORA LEONARD WILDERMUTH, President.
- JOSEPH AMOS FRANKLIN, Treasurer.
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SCHOOL OF DENTISTRY EXECUTIVE COMMITTEE

President Wells, Chairman; Vice President and Dean of the Faculties Briscoe; Vice President and Treasurer Franklin; 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.
- JOSEPH AMOS FRANKLIN, B.S., Vice President, and Treasurer.
- CHARLES EDWIN HARRELL, A.B., LL.B., Registrar.
- MAYNARD KIPLINGER HINE, D.D.S., M.S., Dean of the School of Dentistry.

* Elected by the Alumni of the University.

FACULTY OF THE SCHOOL OF DENTISTRY

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

FACULTY AT BLOOMINGTON

MAYNARD KIPLINGER HINE, Dean of the School of Dentistry, and Head 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.

PAUL MONTGOMERY HARMON, Chairman, and Professor of Physiology.

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

ROBERT TOWNER HILL, 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.

RICHARD LOCKWOOD WEBB, Chairman, and Professor of Anatomy.

A.B., University of Illinois, 1924; M.S., 1925; Ph.D., 1931.

HARRY GILBERT DAY, Associate Professor of Chemistry.

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

JOHN HOWARD VAN DYKE, Associate Professor of Anatomy.

A.B., Colgate University, 1935; M.S., University of New Hampshire, 1937; Ph.D., Cornell University, 1941.

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.

ROBERT LOUIS MOSS, Instructor in Anatomy.

D.D.S., Indiana University, 1947.

FACULTY AT INDIANAPOLIS

MAYNARD KIPLINGER HINE, Dean of the School of Dentistry, and Head and Professor of Periodontia and Histopathology.

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

JOHN LACY WILSON, Professor Emeritus of Operative Dentistry.

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

JAMES WILLIAM ADAMS, Head, and Professor of Orthodontia.

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

DREXELL ALLEN BOYD, Head, and Professor of Operative Dentistry.

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

FRANK FORRY, Chairman, and Professor of Pathology.

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

JOHN FRANK HALL, Head, and Professor of Oral Surgery.

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

FRANK CARLYLE HUGHES, Head, and Professor of Prosthetic Dentistry, and Superintendent of Clinics.

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

HAROLD RAYMOND HULPIEU, Professor of Pharmacology.

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

THURMAN BROOKS RICE, Chairman, and Professor of Public Health.

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

ERT JAY ROGERS, Head, and Professor of Crown and Bridge Prosthesis.

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

RANDALL L. THOMPSON, Chairman, and Professor of Microbiology.

B.S., University of Washington, 1927; M.S., 1928; Sc.D., Johns Hopkins University, 1931; M.D., University of Chicago, 1940.

GRANT VAN HUYSEN, Head, and Professor of Oral Histopathology.

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

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.

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

HARRY JOSEPH HEALEY, Associate Professor of Operative Dentistry.

A.B., Butler University, 1931; D.D.S., Indiana University, 1931.

AMOS CHASE MICHAEL, Associate Professor of General Pathology.

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

L. RUSH BAILEY, Assistant Professor in Clinic.

D.D.S., Northwestern University, 1934.

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.

ALVIN OVERLIN HUMPHREYS, Assistant Professor of Crown and Bridge.

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

BERNARD AUGUST MARTIN, Assistant Professor in Prosthetic Clinic.

D.D.S., Indiana Dental College, 1924.

ROBERT JOSEPH MEYERS, Assistant Professor of Crown and Bridge.

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

SHERMAN A. MINTON, JR., Assistant Professor of Microbiology.

A.B., Indiana University, 1939; M.D., 1942.

RICHARD ARTHUR MISSELHORN, Assistant Professor of Dental Anatomy.

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

RALPH WILBUR PHILLIPS, Head, and Assistant Professor of Dental Materials.

A.B., Indiana University, 1940.

LEWIS BENSON SPEAR, Head, and Assistant Professor of Roentgenology.

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

ROBERT PRESTON BOESINGER, Instructor in Clinic.

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

ROBERT GARRETT BOTKIN, Instructor in Crown and Bridge (beginning March 15, 1949).

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

ALLY NEVILLE BURKS, Instructor in Clinic.

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

EDITH DAVIS, Instructor in Clinic.

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

- ROBERT FRANK DENNY, Instructor in Prosthetic Dentistry.
D.D.S., Indiana University, 1926.
- ROLAND WAYNE DYKEMA, Instructor in Clinic.
D.D.S., Indiana University, 1947.
- ROLENZO ARLIS HANES, Instructor in Orthodontia.
D.D.S., Indiana University, 1940.
- RICHARD HARTWELL HOWARD, Instructor in Clinic.
D.D.S., Indiana University, 1940.
- RICHARD EUGENE JENNINGS, Instructor in Clinic.
D.D.S., Indiana University, 1945.
- WILLIAM IRVIN LAWRENCE, Instructor in Clinic.
D.D.S., Indiana University, 1947.
- RALPH EARL McDONALD, Acting Head (Pedodontia), and Instructor in Children's Clinic.
B.S., Indiana University, 1942; D.D.S., 1944.
- JAMES FITCH MATLOCK, Instructor in Radiology.
D.D.S., Indiana University, 1943.
- WILLIAM DONALD MICHELI, Instructor in Clinic.
D.D.S., Indiana University, 1943.
- WILBUR CHAPMAN MOORMAN, Instructor in Oral Surgery.
D.D.S., Medical College of Virginia, 1943.
- JOHN CONLEY ROBINSON, Instructor in Clinic.
D.D.S., Indiana University, 1931.
- PAUL MAX SHERMAN, Instructor in Prosthetics (beginning October 15, 1948).
D.D.S., Temple University, 1948.
- MORRIS MEYER STONER, Instructor in Orthodontia (beginning October 1, 1948).
D.D.S., Indiana University, 1942; M.S., 1947.
- HENRY MAURICE SWENSON, Instructor in Clinic.
B.S., University of Illinois, 1941; D.D.S., 1942.
- HERBERT FRANCIS WALDHIER, Instructor in Crown and Bridge (died January 28, 1949).
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.
- GLENN JASPER PELL, Special Lecturer in Oral Surgery.
D.D.S., Indiana Dental College, 1912.
- MARVIN WALLACE RIGSBEE, Special Lecturer in Orthodontia (March 1 to June 30, 1949).
D.D.S., Indiana University, 1929.
- RUSSELL ANTHES SAGE, Special Lecturer in Dentistry.
B.S., Indiana University, 1926; M.D., 1928.
- JEANE THAYER WALDO, Special Lecturer in Dentistry.
B.S., Franklin College of Indiana, 1922; D.D.S., Indiana University, 1925; B.S., 1932; M.D., 1934.
- MAX CURTIS BURKE, Intern.
D.D.S., Indiana University, 1948.

JEROME HARVEY SCHINDEL, Intern (resigned December 15, 1948).
D.D.S., Indiana University, 1948.

THOMAS MARTIN BOYD, Research Assistant.
A.B., Indiana University, 1941; D.D.S., 1948.

RICHARD STACY EDWARDS, Assistant in Clinic.
D.D.S., Indiana University, 1948.

ELIZABETH ALLISON GRAVES, Assistant in Clinic.
D.D.S., Indiana University, 1948.

CARL ROBERT KOHLMANN, Assistant in Clinic.
D.D.S., Indiana University, 1948.

JOSEPH CHARLES NOLAN, Assistant in Clinic.
D.D.S., Indiana University, 1948.

JOSEPH CHARLES MUHLER, Teaching Fellow in Pre-Clinic.
B.S., Indiana University, 1947; D.D.S., 1948.

JAMES RICHARD ROCHE, Teaching Fellow in Clinic.
D.D.S., Indiana University, 1947.

JOSEPH ALBERT ROPSKI, Resident in Oral Surgery.
D.D.S., University of Buffalo, 1947.

OFFICIAL ASSISTANTS

RITA DOWNING, A.B., B.S., Librarian.

RUHAMAH HANNAH, A.B., Instrument Clerk.

(Mrs.) CLEONA HARVEY, Secretary to the Dean, and Recorder.

PAUL D. JACKSON, B.S.C.E., Superintendent of Buildings and Grounds.

GERTRUDE KATZENBERGER, Office Manager, and Cashier, Main Clinic.

ARTHUR D. LAUTZENHEISER, B.S., Chief Accountant.

JAMES ROBERT NEEL, B.S., Purchasing Agent.

MAX MURPHY SAPPENFIELD, Ph.D., Personnel Director.

RICHARD CLIFTON SCOTT, Division of Dental Art.

MARC G. WAGGENER, Editor, News Bureau.

Calendar, 1949-50

Indianapolis Campus

First Semester

September 19..... Monday, 8 a.m..... Registration and enrollment of students.
September 20..... Tuesday, 8 a.m..... Classes begin.
October 29..... Saturday..... Homecoming—School closed.
November 23..... Wednesday, 12 noon.. Thanksgiving recess begins.
November 28..... Monday, 8 a.m..... Thanksgiving recess ends.
December 17..... Saturday, 12 noon... Holiday recess begins.
January 3..... Tuesday, 8 a.m..... Holiday recess ends.
January 23..... Monday..... Final Examinations begin.
January 31..... Tuesday..... Semester ends.

Second Semester

February 6..... Monday, 8 a.m..... Second Semester begins.
April 12..... Wednesday, 12 noon.. Spring recess begins.
April 19..... Wednesday, 8 a.m..... Spring recess ends.
May 22..... Monday..... Senior Finals begin.
May 29..... Monday..... Final Examinations begin.
May 30..... Tuesday..... Memorial Day holiday.
June 5..... Monday..... Second semester ends.
June 11..... Sunday..... Commencement.

Bloomington Campus

First Semester

September 14..... Wednesday, 8 a.m..... Required meeting of all JUNIOR DIVISION students who have never attended Indiana University at Bloomington. Beginning of their orientation program and registration.
September 15..... Thursday, 9 a.m..... Required meeting of all SOPHOMORE, JUNIOR, SENIOR, and GRADUATE students who have never attended Indiana University at Bloomington. Beginning of their orientation program and registration.
September 15, 16..... Thursday, Friday..... Former students register.
September 17-20..... Saturday-Tuesday.... Enrollment of ALL students according to class standing.
September 21..... Wednesday, 7:30 a.m.. Classes begin.
November 22..... Tuesday, 5:20 p.m..... Thanksgiving recess begins.
November 28..... Monday, 7:30 a.m..... Thanksgiving recess ends.
December 16..... Friday, 5:20 p.m..... Christmas recess begins.
January 3..... Tuesday, 7:30 a.m..... Christmas recess ends.
January 23..... Monday..... Final examinations begin.
January 31..... Tuesday..... First semester ends.

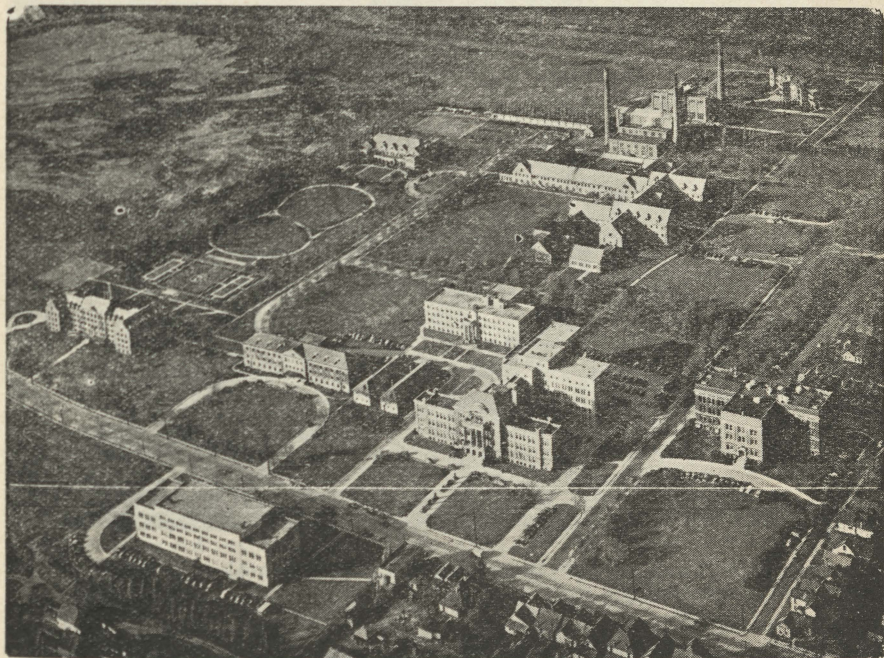
Second Semester

February 7..... Tuesday, 8 a.m..... Required meeting of all students who have never attended Indiana University at Bloomington. Beginning of new student orientation program and new student registration.
February 7, 8..... Tuesday, Wednesday.. Former students register and plan programs.
February 9-11..... Thursday-Saturday... Enrollment of ALL students according to class standing.
February 13..... Monday, 7:30 a.m..... Classes begin.
April 12..... Wednesday, 5:20 p.m.. Spring recess begins.
April 19..... Wednesday, 7:30 a.m.. Spring recess ends.
May 26..... Friday..... Last day of classes.
May 29..... Monday..... Final examinations begin.
June 5..... Monday..... Second semester ends.
June 11..... Sunday..... Commencement Day.

Indiana University School of Dentistry

GENERAL INFORMATION

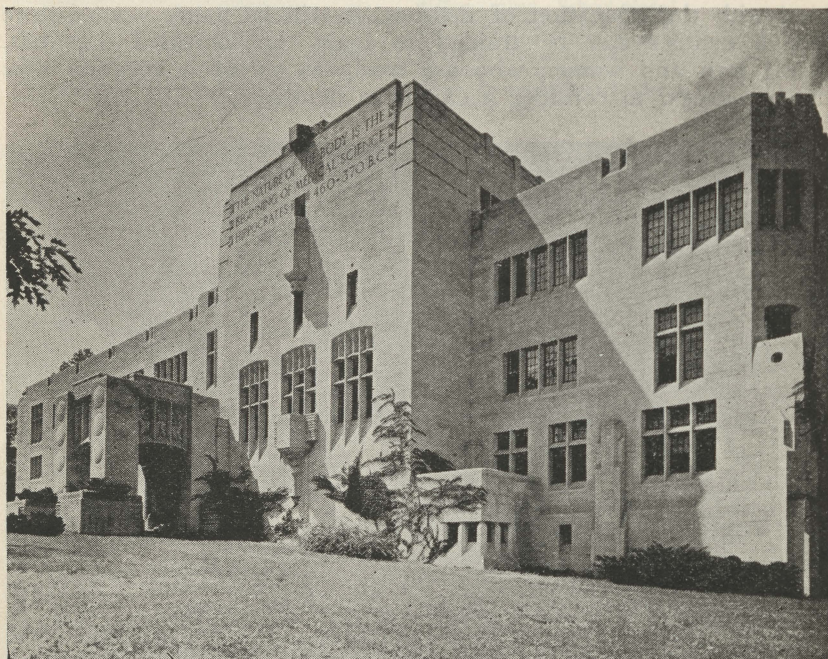
Opportunities in Dentistry. Study of modern social trends in the United States indicates that there will be an increased demand for dental service in the next generation. Because the war interfered with the education of dentists, it will be many years before enough dentists can be trained to meet the 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



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

for diseases of the soft tissues of the mouth, the pedodontist to care 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. Students will be enrolled each 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-nine years. Graduates are to be found practicing in practically all civilized countries and in every part of the United States. The School is coeducational.

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. The Indiana State Board of Public Health is on the same campus. 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.

The School is a member of the American Association of Dental Schools, and is governed by its rules and by those of the Council on Dental Education of the American Dental Association. The course in dentistry covers four academic years, leading to the degree Doctor of Dental Surgery.

Freshman Year at Bloomington. In March, 1940, it was decided by the Board of Trustees that instruction in the fundamental sciences should be given 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 is on the 2-4 plan as outlined by the Council on Dental Education.

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. Patients are drawn from 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 offered 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, as 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 9,000 volumes, covering all of the dental fields and allied subjects. More than 250 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 is 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 R. T. Hill, in the Medical Building at Bloomington.

Living Expenses at Bloomington. Room and board in the Halls of Residence on the Bloomington campus varies from \$252 to \$352 a semester. Rates for apartments for married students vary. Rooms in private residences cost from \$90 to \$126 a semester single, and \$63 to \$90 for half of a double; meals are available at nearby restaurants or the University Cafeteria where the average rate was recently \$1.50 a day.

To the New Student at Indianapolis. For information upon any matter connected with dental education, write to the Indiana University School of Dentistry, 1121 West Michigan Street, 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., except Saturday.

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

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 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.** All pre dental 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.

Pre dental students who are not legal residents of the state of Indiana but who were in attendance at Indiana University prior to the first semester of 1946-47 and who 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.

Pre dental 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 pre dental 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 of 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 Senior 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.

A 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.

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 \$55. Books for the three years at Indianapolis will cost approximately as follows: Sophomore year, \$95; Junior year, \$50; Senior year, \$20.

Instruments required for the education of a dental student are quite costly, but many of them can be used after graduation if the stu-

dent exercises care. The approximate cost of the instruments is as follows: Freshman year, \$30; Sophomore year, \$560; Junior year, \$180; Senior year, \$60.

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.

Honor Fraternity. The national dental honorary fraternity, Omicron Kappa Upsilon, is represented in this School by the Component Chapter of Theta Theta with Dr. Maynard K. Hine, president, Dr. G. Thaddeus Gregory, vice-president, and Dr. Ralph McDonald, secretary-treasurer. 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. The following members were elected to Omicron Kappa Upsilon in June, 1948: Paul A. Badell, Philip C. Giltner, Joseph C. Muhler, Jerome H. Schindel.

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.

Student American Dental Association. Under the auspices of the American Dental Association and the Faculty there has been organized a chapter of student members of the American Dental Association, which is a fully recognized association to which all students in the dental school 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 group automatically become members of the American Dental Association upon graduation from this institution. Dr. Harry J. Healey is student adviser.

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. Dr. Donal H. Draper is president of the Association for 1948-49, and Dr. Harry J. Healey is secretary.

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. Professor Ralph W. Phillips is editor of the *Bulletin*.

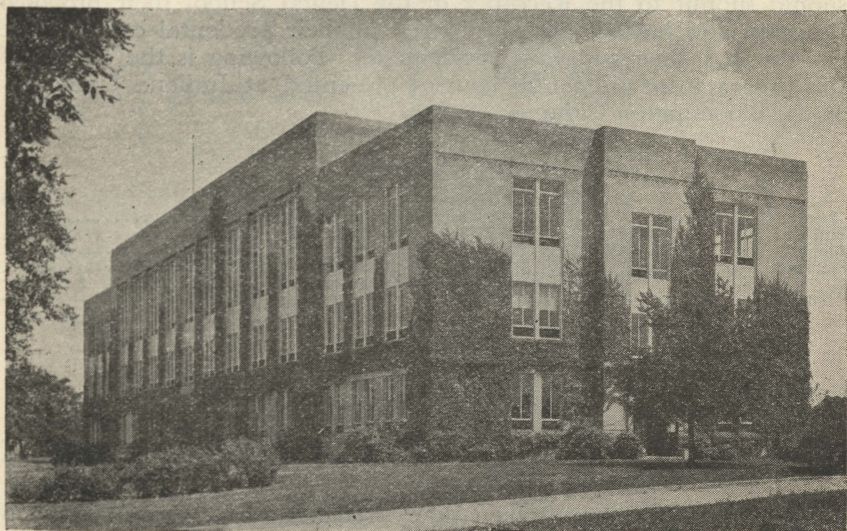
Student Loan. The School maintains a loan fund for students who would otherwise be unable to continue dental education. The fund will be available to students in the Sophomore, Junior, and Senior years.

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

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

Application for Admission. It is desirable that candidates for Indiana University School of Dentistry make application before the last semester of the academic year preceding that in which they wish to enter. It is not necessary to complete the academic requirements before making application although all requirements must be completed before final acceptance can be given. Application blanks may be obtained from the Dean's Office of the School of Dentistry, 1121 West Michigan Street, Indianapolis 2, Indiana. Application blanks must be completely filled in and accompanied by a photograph and an official transcript from each college attended. A personal interview with the Committee on Admissions is desirable and may be requested.



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

Requirements for Admission. All entrance credentials must be approved by the Committee on Admissions of the School of Dentistry. Applicants must present: (1) high school credentials which will satisfy requirements for admission to the Junior Division of Indiana University. Although no specific high school courses are required, except those in the usual college entrance courses, it is recommended that the prospective dental student elect economics, psychology, shop work (one unit), history, civics, or English in completing his college entrance requirements, (2) credentials of credit for at least

sixty semester hours or at least ninety quarter hours of approved predental collegiate work. The college course must include at least two semesters of credit in English (minimum six hours), 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. (3) Credit points to equal at least 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.

Suggested Predental Course. The predental collegiate training may be taken at any accredited college or university. Details of courses offered in the various accredited colleges may vary, so the college courses should be carefully considered when a program is planned, particularly in the field of science. All required science courses, for example, must always include lecture and laboratory, but might give hours of credit different from those indicated in the course as outlined by Indiana University and printed below. Students should submit to the Recorder of the Dental School their proposed program and have it approved early in their predental course to be certain that their program is adequate. Following is the outline of the program for predental courses presented at Indiana University on the Bloomington Campus.

FIRST YEAR

	Hours		Hours
Chemistry 102	5	Chemistry 106	5
English 101a	2	Zoology 106	4
Zoology 103	5	English 101b	2
Electives	3 or 4	Mathematics 104m	2
Total*	15 or 16	Electives	2 or 3
		Total*	15 or 16

SECOND YEAR

Physics 101a	5	English 101c	2
Organic Chemistry 227	5	Physics 101b	5
Electives	4 or 5	Electives	8 or 9
Total*	14 or 15	Total*	15 or 16

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 101a, 102); Embryology (Zoology 220); Greek and Latin Elements in Medical Terminology (Classics 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

* 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.

252); Life Views of Great Men of Science (Philosophy 143b). Courses in comparative anatomy and embryology are considered valuable preparatory courses for subjects in the School of Dentistry.

Dental Course. The dental course consists of eight separate semesters of sixteen weeks each. The first two semesters are given in Bloomington and the last six semesters in the Medical Center in Indianapolis. Details of the dental course are given in another section of this bulletin. The degree conferred is Doctor of Dental Surgery.

Combined Academic and Dental Degrees. The Faculty of the College of Arts and Sciences and the School of Dentistry Faculty have approved a seven-year course in Arts and Dentistry leading to the degrees Bachelor of Science and Doctor of Dental Surgery. The following curriculum has been approved for those students who wish to obtain the B.S. degree and who will enter the School of Dentistry after six semesters (ninety semester hours) in the College of Arts and Sciences.

FIRST YEAR

	Hours		Hours
Chemistry 102	5	Chemistry 106	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 227	5	Physics 101b	5
Physics 101a	5	or	
or		Zoology 106	4
Zoology 103	5	English 101c	2
English 101b	2	Psychology 101a	3
Group IV A or IV B elective.....	3	Group IV A or IV B elective	3
Total	15	†Free electives	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	Classics 170	2
		Total	15

FOURTH YEAR

(First Year Dental School)†

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

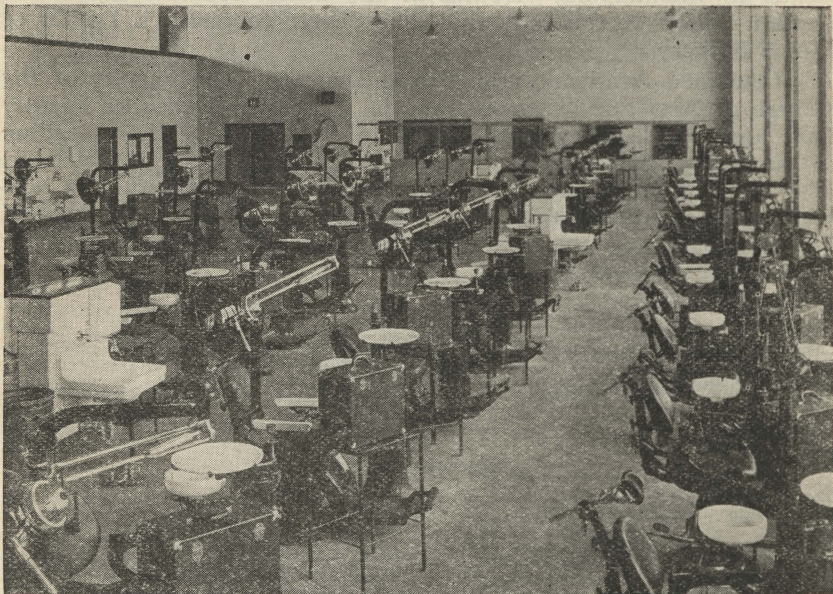
* Mathematics 104m or its equivalent is a prerequisite for Physics 101.

† 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.

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

Subjects included in Group IV A or IV B electives are listed. Choice of electives taken should be approved by the Recorder of the Dental School or the Dean of the College of Arts and Sciences.

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 this clinic dental students get their practical work under supervision.

in addition to those set forth for the B.S. degree, 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:

Anthropology: 101
History: 101, 105, 203, 204
Government: 101, 202
Economics: 101, 201
Sociology: 102
Geography: 110, 212

The courses of Group IV B are the following:

Classics: 120
English: 102 or 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: 101b, 103, 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: 100a, 100b; 120 or 202, 121 or 203; 140, 206, 207

Russian: 211, 212

Admission to Advanced Standing. The student who desires admission to advanced standing in the School of Dentistry must present credentials showing that he has completed beginning studies in a school which has at least comparable preliminary requirements and maintains a similar curriculum. Examinations in all subjects may be required of applicants for advanced standing. Students thus admitted must spend at least two semesters (the Senior year) at Indiana University School of Dentistry in order to be eligible for a degree. Please write the Dean of the School of Dentistry, 1121 West Michigan Street, Indianapolis 2, Indiana, for further information.

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 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 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 but will not 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 condition ("E") may be removed by re-examination. Inability to pass an examination for removal of a condition constitutes a failure and prohibits the promotion of the student to advanced standing. A student who takes a re-examination for

the removal of a condition may not receive a grade of more than "D". 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.

7. A failure ("F") requires repetition of the course or additional work approved by the Dean.

8. Any student who fails to report for examination or fails to perform any part of the required work in any course will receive an incomplete.

9. 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.

10. 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 may be dropped from his class.

11. No student will be promoted to advanced standing unless he has to his credit an equal number of hours and credit points.

12. 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.

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

Graduation. Candidates for the degree Doctor of Dental Surgery must possess good moral character, 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, 1949-50

★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 "cr." indicate credit hours. These courses are subject to change without notice.

Anatomy

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

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. (6 cr.)
Drs. MISSELMHORN, BURKS, LAWRENCE, MOSS.

Morphological study of the teeth, their arrangement and occlusion.

108. Histology and Embryology, General. Freshman. (5 cr.)
Mr. VAN DYKE.

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. (2 cr.)
Drs. VAN HUYSEN, T. M. BOYD.

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. (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.

Biochemistry

109. Biological Chemistry. Freshman. (5 cr.)
Mr. DAY, Dr. MUHLER.

Lectures, recitations, and laboratory. Chemical nature of major tissue constituents, intermediary metabolism and the chemical regulation of body functions. Principles of nutrition and emphasis on the biochemistry of the teeth. The laboratory work demonstrates metabolic patterns and chemical methods of examining biological materials.

Crown and Bridge

204. Crown and Bridge. Sophomore. (3 cr.)
Drs. ROGERS, DYKEMA, MICHELI, WALDHIER.

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. (4 cr.)

Drs. ROGERS, DYKEMA, MICHELI, WALDHIER.

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. (2 cr.)

Dr. MEYERS.

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

401. Crown and Bridge. Senior. (4 cr.)

Drs. ROGERS, HUMPHREYS, MEYERS, MICHELI, WALDHIER.

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. (2 cr.)

Mr. PHILLIPS.

Physical and chemical properties of materials used in dentistry, and the effect of manipulation upon these properties. Clinical applications are stressed.

Microbiology

202. Microbiology. Sophomore. (3 cr.)

Drs. MINTON, THOMPSON, and staff.

An introduction to the study of the infectious diseases with emphasis on the nature of the agents responsible and the reaction of the body to them.

203. Personal Hygiene. Sophomore. (1 cr.)

Dr. RICE.

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.

Nutrition and Public Health

403. Nutrition. Senior. (1 cr.)

Dr. RICE.

414. Public Health. Senior. (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. (7 cr.)

Drs. BOYD, BAILEY.

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. (7 cr.)

Drs. BOYD, HEALEY, BAILEY, BOESINGER, BURKS.

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. (8 cr.)

Drs. BOYD, HEALEY, BAILEY, BOESINGER, BURKS.

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. (3 cr.)

Dr. ROGERS.

Students are given lectures and clinical practice in mouth examination, history taking, and coordination of symptomatology. Emphasis is placed upon interpretation of radiographs, and 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. (1 cr.)

Dr. ROGERS.

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. (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. (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. (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. (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. (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 in the growth of this area and methods of recognizing deviations from normal relationships are emphasized.

214. Orthodontia. Sophomore. (1 cr.)

Dr. ADAMS.

Study of the development of the teeth, jaws, and face, as well as a study of the bones and musculature of the head and neck are correlated with the study of the forces of occlusion in this lecture course.

307. Orthodontia. Junior. (2½ cr.) Drs. ADAMS, HANES, STONER.

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

413. Orthodontia. Senior. (1 cr.)

Dr. ADAMS.

Each student attends the orthodontic clinics, and the principles of clinical diagnosis, etiology, and preventive and corrective treatment are reviewed, discussed, and applied.

Pathology

207. General Pathology. Sophomore. (4 cr.)

DRS. FORRY, VAN HUYSEN, 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. (2 cr.)

Dr. VAN HUYSEN.

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

316. Pedodontia. Junior. (1 cr.)

Dr. McDONALD.

This semester's lectures include child management, juvenile dental anatomy, and preventive procedures used in pedodontia.

406. Pedodontia. Senior. (3 cr.)

DRS. McDONALD, HOWARD, JENNINGS, GRAVES.

Special operative and reparative procedures for the child patient are covered in this lecture course. In addition, thirty assignments in the children's clinic during the year afford the student ample practical experience in pedodontics.

Periodontia

208. Oral Hygiene. Sophomore. (1 cr.)

Dr. HINE.

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

309. Periodontia. Junior. (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. (1 cr.)

DRS. HINE, DAVIS, ROBINSON, 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. Pharmacology. Sophomore. (2 cr.) Mr. HULPIEU.

A study of the effect of drugs on body function. A discussion of the mechanism by which drugs produce their effects, illustrated by laboratory observation of the action of representative drugs upon living organisms.

310. Materia Medica. Junior. (1 cr.) Drs. HALL, MOORMAN.

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. (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. (8 cr.) Mr. NICOLL.

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

Practice Management

212. History and Ethics. Sophomore. (1 cr.) Dr. WILSON.

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

410. Jurisprudence. Senior. (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. (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. (7 cr.) Dr. DERRY.

Lectures and laboratory exercises in the basic techniques relative to prosthetic dentistry. 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 his Junior and Senior years.

312. Prosthetic Dentistry. Junior. (6 cr.) Drs. HUGHES, DERRY, DENNY.

Lectures and clinical practice in the various problems encountered in prosthetic procedures. Special consideration is given to diagnosis and treatment planning and their influence on prosthetics procedures. Students are first given comparatively simple clinic assignments proceeding with the more difficult problems as they gain experience.

412. Prosthetic Dentistry. Senior. (6 cr.)

Drs. HUGHES, DERRY, MARTIN, DENNY, SHERMAN, WHITE.

Demonstrations, lectures, and clinical practice covering all phases of denture prosthetics. Special consideration is given to diagnosis and treatment planning. The Senior prosthetic course includes lectures and clinical assignments in the treatment of cleft palate and other abnormalities.

Radiodontia

313. Radiodontia. Junior. (2 cr.)

Drs. SPEAR, MATLOCK.

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.

Summer Session

Clinical Dental Procedures. (6 cr.)

Clinic staff.

In this course students will be permitted to perform dental treatments in the School of Dentistry clinics. The course is offered to advanced students on a full or half-time basis. Students electing to spend full time in this course will be given six hours of elective credit.

School of Dentistry Curriculum

FRESHMAN YEAR

Semester Hours Credit

	First Semester Laboratory or Lecture Clinic		Second Semester Laboratory or Lecture Clinic		Total Credit Hours	Total Clock Hours
Histology and Embryology	2	3	0	0	5	120
Oral Anatomy	1	2	1	2	6	180
Physiology	0	0	5	3	8	170
Gross Anatomy	3	3	3	3	12	270
Biochemistry	3	2	0	0	5	105
Total					36	845

SOPHOMORE YEAR

Prosthetic Dentistry	1	3	1	2	7	262
Operative Dentistry	1	3	1	2	7	262
Oral Histology and Embryology	1	1	0	0	2	45
Crown and Bridge	0	0	1	2	3	96
Microbiology	0	0	1	2	3	90
Pathology	2	2	0	0	4	105
Dental Materials	1	0	1	0	2	32
Oral Hygiene	0	0	1	0	1	16
Pharmacology	0	0	1	1	2	64
Personal Hygiene	1	0	0	0	1	15
History and Ethics	0	0	1	0	1	16
Orthodontia	1	0	1	0	2	31
Oral Pathology	0	0	1	1	2	48
Total					37	1,082

JUNIOR YEAR

Operative Dentistry	1	3	1	2	7	262
Prosthetic Dentistry	1	2	1	2	6	217
Crown and Bridge	1	1	1	1	4	124
Materia Medica	0	0	1	0	1	16
Radiodontia	2	0	0	0	2	30
Orthodontia	1	0	1	1/2	2 1/2	55
Anesthesia and Oral Surgery	1	0	0	0	1	15
Oral Diagnosis	1	1/2	1	1/2	3	77 1/2
Periodontia	1	1/2	0	1/2	2	61 1/2
Oral Surgery and Anesthesia	1	1/2	1	1/2	3	77 1/2
Principles of Surgery	0	0	1	0	1	15
Internal Medicine	1	0	1	0	2	31
Ceramics	1	1	0	0	2	45
Pedodontia	0	0	1	0	1	16
Total					37 1/2	1,042 1/2

SENIOR YEAR

Applied Anatomy	0	0	1	0	1	16
Operative Dentistry	1	3	0	4	8	342
Pedodontia	1	1	0	1	3	105
Crown and Bridge	1	2	0	1	4	150
Oral Surgery	1	1/2	1	1/2	3	77 1/2
Oral Diagnosis	0	1/2	0	1/2	1	46 1/2
Periodontia	0	1/2	0	1/2	1	46 1/2
Prosthetic Dentistry	0	2	1	3	6	250
Practice Management	0	0	1	0	1	16
Jurisprudence	0	0	1	0	1	16
Nutrition	0	0	1	0	1	16
Orthodontia	0	0	0	1	1	16
Public Health	1	0	0	0	1	15
Total					32	1,112 1/2

Total 32 1,112 1/2

This schedule is subject to change.

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 School of Dentistry 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 School of Dentistry 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, First and Second Semesters, 1948-49

FRESHMEN

Aponte, Rafael, Jr. Ponce, P.R.
 Applegate, Rowland Eugene .. Henryville
 Baker, Dale Alan Odon
 Baker, William C. Terre Haute
 Baldrige, Odus Leeper Terre Haute
 Barker, Gerald Eugene Indianapolis
 Barnes, James Harry Munster
 Benjamin, Edgar McClarren Bicknell
 Bennett, James Oren Martinsville
 Besch, Ernest Henry Cibolo, Tex.
 Braden, Paul Edwin Indianapolis
 Brown, Rodney Ferguson Evansville
 Brubaker, Dean Morgan Flora
 Buechler, Norbert John Ferdinand
 Byrd, Thomas Hugh, Jr. Danville
 Cain, William F. La Fontaine
 Cardwell, Alfred Theodore Gary
 Cassidy, Joseph Carlton Ranger
 Cheek, Daniel Webster, Jr. .. Terre Haute
 Chidalek, Tony John Knox
 Chong, Harvey Cumming Hilo, Hawaii
 Clarke, Calvin Bauer Indianapolis
 Combs, Elbert Park Hanover
 Cox, Robert Alan Richmond
 Cunningham, Donald M. Summitville
 Draper, David Albert Washington
 DuMond, John Allen Crown Point
 Duncan, Elmer T. Evansville
 Ehret, John Henry Marion
 Ellis, Eugene Edward Elkhart
 Epstein, Gerald Stanley Indianapolis
 Ernsting, Richard Harvey ... Indianapolis
 Folk, Carl Nelson North Liberty
 Gilliom, Arthur Vernon Indianapolis
 Glasser, Harold Nathaniel ... Indianapolis
 Glassley, Donald Paul Fort Wayne
 Grayson, Alvin Joseph Bogota, N.J.
 Hanning, James E. Cambridge City
 Haynes, Robert Henry Indianapolis
 Helmick, George Ross Winchester
 Hicks, E. William Evansville
 Hogue, Jesse David Hammond
 Houck, George Maynard Hammond
 Huff, Alva David, Jr. English
 Humphrey, James Earl Terre Haute
 Hutton, Charles Edward Logansport
 Janes, Ray Lyle Indianapolis
 Justus, George W. Terre Haute
 Kelley, William Kerr Indianapolis
 Kemp, Robert J. Evansville
 Kilty, Mark Frederick Huntington
 Kleeger, Simon Indianapolis
 Lawton, Leonard Gadi Indianapolis
 Lieb, Richard Deal Kendallville

Lindley, William H. Sullivan
 Llewellyn, Ralph Edgar Terre Haute
 Mann, Robert Kenneth Indianapolis
 Maxedon, Robert Wood, Jr. Evansville
 McCrory, James Gordon Berne
 McCullough, Ervin Wesley, Jr. Indianapolis
 McGriff, William David Argos
 McKean, Thomas Wayne Montpelier
 Minear, Richard Lee Columbia City
 Moore, Earl L., Jr. Francesville
 Morton, Wilbur James Bloomington
 Newland, Robert Eugene Bedford
 Perry, Nathan Glenn .Elizabeth City, N.C.
 Phelps, Rodney Eugene Indianapolis
 Querry, Ralph P. Medaryville
 Quillen, Robert Leo Liberty
 Reynolds, Glenn Richard Indianapolis
 Rhode, Howard Ralph Syracuse
 Rothhaar, Raymond Eugene Auburn
 Rumbaugh, Leo Wyman Fort Wayne
 Schimmele, Ralph George ... Fort Wayne
 Scott, Charles Thomas Indianapolis
 Shoemaker, Carl Hersh Princeton
 Shoemaker, William Albert, Jr. Mishawaka
 Switzer, Charles W. Lafayette
 Tarplee, Robert Eugene Indianapolis
 Thibodeau, Edward Charles
 Amsterdam, N.Y.
 Thomas, Harvey Gantenbein .. Indianapolis
 Thomas, Robert Earle Gary
 Turber, Frank, Jr. Princeton
 Walters, Robert Camden Lebanon
 Ward, Wilson Lloyd Fort Wayne
 Weatherholt, Howard Leon .. Fort Wayne
 Webb, Robert Vaughn Bloomington
 Wiesler, Donald Bailie Fort Wayne
 Young, Norman Ben Indianapolis

SOPHOMORES

Alexander, Darrell E. Muncie
 Allen, James R. Marion
 Barks, Walter J., Jr. Mishawaka
 Bean, Theodore D. Valparaiso
 Bechtel, David I. Goshen
 Beidelman, Edward R. Evansville
 Beitelshes, R. D. Huntington
 Berry, LeRoy E. Bloomington
 Bollman, Carl W. Nappanee
 Buchanan, Richard Burnettsville
 Burns, William O. Lafayette
 Bushong, John H. Crawfordsville
 Callaway, Glenn E. Connersville
 Conger, William H. Plymouth
 Cook, Bruce C. Hammond

Copeland, Max E.Spiceland
 Cottrell, Hubert P.Kokomo
 Cunningham, G. F.Vincennes
 Denton, Charles E.Madison
 Detroy, William P.Bloomington
 Eilar, John S.Albuquerque, N.Mex.
 Fleishman, RobertBronx, N.Y.
 Gallagher, R. J.Gary
 Geedy, Robert H.Huntington
 Gooliak, GeorgeHighland
 Gordon, Richard M.Lynn
 Gray, Gordon T.Martinsville
 Green, Robert G.Terre Haute
 Hamer, CharlesHartford City
 Hanrahan, James T.Terre Haute
 Hapak, Francis M.Whiting
 Hargis, Walter S.Indianapolis
 Harper, Frank O.Indianapolis
 Havlick, Paul G.Valparaiso
 Holstein, Robert B.Terre Haute
 Huffer, Robert E.Frankfort
 Huysman, LeRoy J.Indianapolis
 Jeffery, Don K.Bluffton
 Koss, Betty JeanIndianapolis
 Lucarelli, Lawrence P.Universal
 Malcolm, James E.Columbia City
 Marascio, Victor M.Indianapolis
 McClure, JamesFort Wayne
 Mendenhall, John E.Fowler
 Metcalfe, Howard A.Indianapolis
 Meyer, Robert J.Brookville
 Mott, James W.Warren
 Mounts, Wayne W.Owensville
 Newman, Kenneth L.Indianapolis
 Norris, Will E.Rushville
 O'Neal, Robert L.Urbana, Ill.
 Price, Raymond R.Plymouth
 Prost, Jack S.Paterson, N.J.
 Purlee, Charles N.Borden
 Redish, Charles H.Bloomfield, N.J.
 Reichle, John W.Connorsville
 Risch, John R.Indianapolis
 Roberts, Arthur S.Indianapolis
 Routt, Roy T.Indianapolis
 Schimmelfennig, Charles B.Boonville
 Schweitzer, JeromeRiverdale, N.Y.
 Schwimer, SidneyIndianapolis
 Shellenberger, Robert E.Evansville
 Sheridan, Roland C., Jr.Liberty
 Smith, Clarence J.Evansville
 Steinman, Carl C.Delphi
 Stunkard, Robert M.Brazil
 Taggart, Dean M.Whiting
 Taylor, James A.Muncie
 Thompson, Alden B.Hebron
 Tyte, Donald C.Wabash
 Underwood, Robert J.Kokomo
 Walden, Donald J.Denver, Colo.
 Weber, Henry E.Huntington
 Welch, George A.Rockville
 Whitehead, Donald L.Evansville
 Williams, Alfred K.Hattiesburg, Miss.
 Williams, Eugene T.Richmond
 Williams, Robert H.Whiting

JUNIORS

Alexander, Jack ZevBronx, N.Y.
 Amos, Everett R.Indianapolis
 Bailey, Paul EdwinMarion
 Barkes, Robert DaleMishawaka
 Baxla, Marvin EdgarMuncie
 Cantrell, Frederick Archie ..Oakland City
 Carmody, John H., Jr.Indianapolis
 Chinn, Frank, Jr.Bloomington
 Daily, Robert Victor, Sr.Indianapolis
 Denison, Jack DayIndianapolis
 Dick, Harold RobertCicero
 Dirlam, James HoraceBowling Green
 Eitner, Samuel HoraceHillsboro
 Fall, James LeoMacy
 Farley, Francis EarlRaton, N.Mex.
 Fay, Seymour AllenSyracuse, N.Y.
 Felten, Arnold EdgarBloomington
 Finkbinder, Charles Haywood ..Indianapolis
 Flannagan, Charles EmilJasper
 Garrard, Robert LyttonTerre Haute
 Hall, Ray SamuelBedford
 Harris, Robert LewisLafayette
 Harrison, Earl RayOwensboro, Ky.
 Heimansohn, Henry Charles ..Indianapolis
 Hodges, John RexRichland
 Hoppes, Dean EdwardAnderson
 Johnson, Harry Osmund
Palisades Park, N.J.
 Laybold, Ralph ErnestTerre Haute
 Light, JackBrooklyn, N.Y.
 Linnemeier, Robert WilliamHammond
 Matthews, Jerome Norbert ..Indianapolis
 Moseley, Kent Coffman ..Millersburg, Ky.
 Orr, Richard L.Sullivan
 Pirtle, Paul RobertIndianapolis
 Risley, H. T.Oakland City
 Roll, Corliss JamesHamilton, Ohio
 Scholl, William Theodore, Jr.
Evansville
 Shroyer, J. WattMuncie
 Simmonds, James FrederickAnderson
 Smith, Franklin AlbertRichmond
 Smith, Kenneth LyleMishawaka
 Spaulding, John BestGary
 Stein, Howard MonroeNewark, N.J.
 Stone, John JamesFort Branch
 Taylor, Omer Wilbert ..Middletown, Ohio
 Terpinas, Thomas MichaelFrankfort
 Vize, C. WilliamEvansville
 Vogel, William Victor ..New York, N.Y.
 Vorhies, Jack McKimIndianapolis
 Waymire, Joseph RayElwood
 Wolin, Arthur JoelBronx, N.Y.
 Youmans, Robert DaleClinton
 Zarin, IsadoreCleveland, Ohio

SENIORS

Adams, Lehman David, Jr..Mansfield, La.
 Bach, John WalterAshley, N.D.
 Biggs, Donald HuntEvansville
 Boardman, Thomas Mark ..Hoopeston, Ill.

Bosh, Edward E. Berwyn, Ill.
 Dean, Walter Joseph Indianapolis
 DeFrank, Albert Sullivan
 Flickner, Hayward Graeme Evansville
 Gish, Charles Willis Delphi
 Henderson, Jerry Herschel, Jr. Brazil
 Hill, Lee Eugene Rockville
 Hodupski, Thaddeus B. East Chicago
 Kenter, Wiegand Godesberg, Germany
 Laudeman, Sam Roberts Hillsboro
 Lee, R. Wendell Plymouth
 Leff, Henry Herbert Indianapolis

Lush, Joseph Frank East Chicago
 McIntosh, Samuel Arthur Osgood
 Mandel, Frank Philip Cleveland, Ohio
 Moser, James Philip Windfall
 Paskash, Leo Gary
 Reed, Darwin Miles Toulon, Ill.
 Rosenthal, Ernst Hamburg, Germany
 Sheppard, Eugene Gilbert New Castle
 Sposeep, Manuel Wabash
 Strapon, Daniel East Chicago
 Turnley, William Fort Wayne

Graduates, 1948

Avery, Robert Daniel Gary
 Badell, Paul A. Knox
 Boyd, Thomas Martin Albany
 Burke, Max Curtis Indianapolis
 Christensen, Calvin Carl
 Bremerton, Wash.
 Crosswhite, Vernon John
 Los Angeles, Calif.
 Edwards, Richard Stacy .Philadelphia, Pa.
 Gilbert, Bert W. Indianapolis
 Giltner, Philip Clarence Huntingburg
 Giordano, Albert Richard
 Phillipsburg, N.J.
 Graves, Betty Allison Indianapolis

Haacke, Arthur Joseph Dayton, Ohio
 Hamp, Frederick Wolf Indianapolis
 Karpinski, Joseph Francis .. Auburn, N.Y.
 Kohlmann, Carl Robert Indianapolis
 Marlette, Robert H. Lawrenceburg
 Muhler, Joseph Charles Fort Wayne
 Nolan, Joseph Charles Indianapolis
 Schindel, Jerome Harvey .. Jamaica, N.Y.
 Smiley, Harold Upjohn
 Grand Rapids, Mich.
 Whisler, Philip Michael Mission, Kan.
 White, George Richardson. Nashville, Tenn.
 Winer, William Indianapolis